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STANDARD WIRING PRACTICES MANUAL

PROTECTION DURING MAINTENANCE

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PROTECTION DURING MAINTENANCE

All airplane wiring should be protected during airplane maintenance.

Maintenance on aircraft presents such hazards as:

- Arcing can occur to the wiring due to contact with fluids
- Chafing can occur to the wire insulation due to contact with debris
- Damage to wiring can occur during removal of aircraft equipment
- Damage to wiring can occur from maintenance personnel.

1. GENERAL

Maintenance personnel must estimate existing conditions and use good judgement and common sense when protection of wiring and components is applied.

NOTE: Boeing cannot give or document all possible conditions in which the airlines can have during maintenance.

Airlines must make sure they protect the wiring and electrical components.

A. **Before Maintenance Work Starts**

Before you start maintenance make sure that the wiring and electrical components are protected from contamination.

The protection material must extend to the area below and adjacent to the maintenance area.

The protection material must be attached to the airplane structure. Do not attach the protection material to wiring or electrical components.

Use a plastic protection material when the possible contamination is a fluid.

To prevent damage to wiring and electrical components during maintenance, use these steps:

NOTE: Wiring that is kept free of contamination will not need unwanted maintenance.

- (1) Estimate the possible source of contamination to wiring and electrical components. Refer to Table 1.
- (2) Make a selection of a protection material. Refer to Table 2.

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Table 1
POSSIBLE CONTAMINATION TO WIRING AND ELECTRICAL COMPONENTS

Protection Procedure	Possible Contamination
Install protection in your work area with a selection of material. Refer to Table 2	Dust/Dirt
	Metal Shavings
	Hydraulic fluid
	Fuel
	Oil
	Battery Electrolytes
	Corrosion Inhibiting Compounds
	Waste System Chemicals
	Cleaning Agents
	De-icing Fluids
	Paint
Do not use wiring as step or handhold.	Movement of Equipment
	Tools and personnel

CAUTION: MAKE SURE THAT NO FLUIDS DRIP ALONG WIRING TO CONNECTORS AND OTHER ELECTRICAL COMPONENTS. FLUID CONTAMINATION CAN CAUSE ARCING, SPARKING AND POSSIBLE FIRE.

B. After Maintenance Work Ends

- (1) Make sure that all contamination, debris and liquids are contained.
- (2) Make sure that tarps, containers and tape are removed.
- (3) Examine the wiring and electrical components for damage.

2. NECESSARY MATERIALS

A. Protection Materials

Make a selection of an applicable material to prevent contamination:

Table 2
PROTECTION MATERIALS

Material	Description	Use for	Supplier
Tarp/Cover	canvas	liquids and debris	An available source
	plastic	liquids	An available source
	paper	debris	An available source
	cardboard	debris	An available source
Tape	masking tape	debris	An available source
	vinyl	liquids	An available source

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Table 2 (continued)

Material	Description	Use for	Supplier
Bubble wrap	plastic	debris, movement of equipment	An available source
Container	-	liquids	An available source

To remove unwanted contamination after maintenance. Refer to Subject 20-10-04.

Make sure that safety practices are used. Refer to Subject 20-00-10.

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SAFETY PRACTICES

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STANDARD WIRING PRACTICES MANUAL**SAFETY PRACTICES**

Working on a high voltage electrical/electronic system presents hazards such as:

- Electrical shock on contact with energized wiring
- Short circuits caused by metal tools dropped across electrical connections/conductors
- Explosions caused by electrical sparks in the presence of flammable vapors.

Working on fiber optic systems presents additional hazards such as:

- Damage to eyes or skin caused by exposure to invisible fiber optic laser light.

1. GENERAL

Assessment of existing conditions, good judgement and common sense must be exercised by airline personnel.

A. Before Maintenance Work Starts

To prevent injury to personnel and damage to equipment during maintenance operations on electrically operated equipment, or while performing maintenance on one or more parts of the electrical/electronic systems, use these safety practices:

- (1) Identify the system that maintenance work is to be done on.
- (2) Open circuit breakers and switches to make sure that power has been cut off from system components.
- (3) Put this Warning Tag on the circuit breakers:

WARNING: DO NOT CLOSE THIS CIRCUIT BREAKER. THIS CIRCUIT BREAKER MUST REMAIN OPEN UNTIL COMPLETION OF MAINTENANCE WORK.

- (4) To make sure that a circuit breaker will remain open, install a circuit breaker collar. Refer to Table 1.

Table 1
CIRCUIT BREAKER COLLARS

Part Number	Supplier
10164-5	LKD Aerospace, Inc.
10237-1	LKD Aerospace, Inc.
20266-5	LKD Aerospace, Inc.
296050002-1	Skylox
G57NB-5	Nylon Molding Corp./Union Plastics
S-4933959	Paco Plastics

- (5) Put this Warning Tag on the switches:

WARNING: DO NOT MOVE THIS SWITCH FROM THE OFF POSITION UNTIL MAINTENANCE WORK HAS BEEN COMPLETED.

B. After Maintenance Work Ends

- (1) Make sure that all switches and controls are in a position that prevents the accidental operation of a component.
- (2) Remove the warning tags and close the circuit breakers and switches that were opened before the work started.
- (3) Energize the system.

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STANDARD WIRING PRACTICES MANUAL**SAFETY PRACTICES**

- (4) Perform the required operational checks.
- (5) When the checks have been satisfactorily completed, return the switches and controls to their normal shutdown positions.
- (6) Before removing the external power connector at the external power panel, make sure that the external power source is switched off.

WARNING: BEFORE YOU REMOVE THE EXTERNAL POWER CONNECTOR, MAKE SURE THAT THE EXTERNAL POWER SOURCE IS SWITCHED OFF. FAILURE TO TURN OFF THE EXTERNAL POWER SOURCE CAN CAUSE INJURY TO PERSONNEL AND DAMAGE TO EQUIPMENT.

C. Circuit Breaker Reset

When a circuit breaker trips or opens, do not attempt to reset or close the breaker until the discrepancy or malfunction that caused the breaker to trip or open has been determined and corrected.

WARNING: DO NOT RESET A TRIPPED CIRCUIT BREAKER UNTIL YOU KNOW THE CAUSE OF THE TRIPPED CIRCUIT BREAKER AND YOU KNOW THAT THE CIRCUIT BREAKER CAN BE SAFELY RESET. DAMAGE TO THE AIRPLANE AND INJURY TO THE PERSON CAN OCCUR.

2. FUEL VAPOR LEVELS**A. Acceptable Fuel Vapor Level**

The vapor level considered safe for use of ignition-producing devices is essentially zero.

B. Fuel Vapor Measurement

Vapor level measurement may be accomplished with calibrated equipment such as Mine Safety Appliances Model 2 or Davis Model D-6 that give readings like:

- PERCENT LOWER EXPLOSIVE LIMIT
- PERCENT EXPLOSIVE.

A fuel vapor level that is readable on these instruments is an indication of:

- A nearby liquid fuel or vapor source
- A local higher vapor concentrations
- Insufficient ventilation.

These instruments should be used to:

- Establish that initial vapor levels are sufficiently low
- Monitor the level during repairs.

3. IGNITION SOURCES

WARNING: UNDER NO CONDITIONS SHOULD A POTENTIAL IGNITION SOURCE BE USED IN THE VICINITY OF OPEN FUEL TANKS, FUEL VENTS OR SPILLED FUEL WHERE VAPOR CONCENTRATIONS ARE UNPREDICTABLE OR CANNOT BE CONTROLLED.

A. Fire Safety

If ignition-producing equipment is used anywhere on or near an airplane where smoking is not allowed, a member of the local fire fighting crew or a person responsible for airplane fire safety should stand by to observe the work and other nearby activities.

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STANDARD WIRING PRACTICES MANUAL**SAFETY PRACTICES**

These safety practices are recommended:

- Use work lights that are approved for fuel vapors while work is done in a flammable vapor zone
- Work should never begin or continue on a fuel system component while ignition-producing equipment is present
- The number of maintenance and safety personnel involved should be kept to a minimum
- The amount of emergency or fire fighting equipment that should be at the work site must be determined by local fire fighting personnel, or other authorities, who are responsible for fire safety and are capable of judging the degree of risk associated with the work to be done.

4. HEAT GUNS, HOT AIR GUNS, SOLDERING GUNS, AND SOLDERING IRONS

This paragraph defines the minimum recommended safety practices to use when operating heat guns, hot air guns, soldering guns, or soldering irons on or near in-service airplanes.

A. General

It should be noted that these recommendations are written for use throughout the world and are general in nature.

Regulations established by local agencies and/or airline generated procedures may take precedence.

NOTE: Boeing can neither conceive nor document all potential sets of conditions which the airlines may encounter.

Airlines are responsible for the safe use of these heating devices.

B. Explosion Potential

Heat guns, hot air guns, soldering guns, and soldering irons are not considered to be explosion-proof.

The devices may contain:

- Elements that may operate at temperatures in excess of the fuel vapor flashpoint (450 degrees F)
- Electrical switches that can produce sparks capable of igniting fuel vapors.

C. Use in Fuel Tanks

A heat device must not be operated in a fuel tank that has not been purged of fuel and filled with an inert gas, such as nitrogen.

D. Use Near Fuel and Flammable Liquids

Heat guns, hot air guns, soldering guns, or soldering irons should not be used within 100 feet of:

- An airplane during refueling
- An airplane during defueling
- An airplane when fuel tanks are open
- Fuel vents
- Fuel spills
- Other flammable liquids.

E. Use in Smoking Areas

Heat guns, hot air guns, soldering guns, and soldering irons can be used when smoking is allowed on or near the airplane.

If it is necessary to use these devices where smoking is not allowed, it must be determined that unsafe quantities of fuel vapors are not present in the intended work area.

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STANDARD WIRING PRACTICES MANUAL

MATERIALS AND PARTS

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STANDARD WIRING PRACTICES MANUAL**MATERIALS AND PARTS**

This subject gives the materials, the parts, and the satisfactory alternatives that can be used for maintenance work on Boeing commercial airplanes.

1. GENERAL DATA**A. Suppliers**

All materials are available from the manufacturer, the manufacturer's representative, or Boeing Spares Procurement.

B. Temperature Grades

The Temperature Grade of a material is identified by the maximum temperature of the material in continuous operation. Grade A is the lowest grade and Grade D is the highest grade. Refer to Table 1.

These conditions are applicable:

- When a procedure gives a Temperature Grade of a material, it is permitted to use only the materials of that Grade or a higher Grade
- When a procedure does not give the Temperature Grade of a material, the lowest Grade of the material that is available can be used.

Table 1
MATERIAL TEMPERATURE GRADES

Grade	Maximum Temperature		Old Designation
	Degrees C	Degrees F	
A	100	212	Type I
B	135	275	Type II
C	180	356	Type III
D	260	500	Type IV

C. Classes

The Class of a material is identified by the material's resistance to BMS 3-11 fluid. Refer to Table 2.

These conditions are applicable:

- If the Class of the material is specified, then a material of the same Class must be used
- If the Class of the material is not specified, either Class can be used.

Table 2
MATERIAL CLASSES

Class	Description
1	Resistant to BMS 3-11 fluid
2	Not resistant to BMS 3-11 fluid

2. MATERIALS AND PARTS**A. Canned Air**

NOTE: Canned air is not put into groups of Grade or Class.

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Table 3
CANNED AIR

Part Number	Description	Supplier
ES1020	Tetrafluoroethane	Chemtronics
ES1620	Tetrafluoroethane	Chemtronics

B. Cements

NOTE: Cements are not put into general groups of Grade or Class.

Table 4
CEMENTS

Grade	Class	Part Number	Supplier	Description
-	-	Resbond 940	Cotronics	Ceramic Adhesive
		Sauereisen 1	Sauereisen Cement Co.	Strong inorganic adhesive
		Sauereisen 31	Sauereisen Cement Co.	Synthetic ceramic adhesive

C. Coating Materials

Table 5
COATING MATERIALS

Grade	Class	Part Number	Supplier	Description
A	1	EC-776SR	3M Company	Insulation coating
		683-3-2	Akso Coating of America, Inc.	
	2	PC18M	Hysol Division, Dexter Corp.	Polyurethane coating
		No. 72-102	Rudd Paint and Varnish Co.	
		Type No. 1A33	Humiseal Division, Chase Corp.	
		Tartan	Rudd Paint and Varnish Co.	
		Krylon 1303	Krylon, Inc.	Acrylic coating
		Type No. 1B31	Humiseal Division, Chase Corp.	
		Type 88	Nycote Laboratories	Nylon varnish
		Type 7-11	Nycote Laboratories	

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D. Convuluted Teflon Tubing

Table 6
CONVOLUTED TEFLON TUBING

Grade	Class	Part Number	Supplier	Description
D	1	CFT-()-0-00	Icore	Tubing, Plastic, Flexible, Convuluted, PTFE, Standard Convolutions, Black
		ZCT-TS-()	Zeus	Tubing, Plastic, Flexible, Convuluted, PTFE, Standard Convolutions, Black
		C10000-()	Cooperative Industries	Tubing, Plastic, Flexible, Convuluted, PTFE, Standard Convolutions, Black
		AMS-T-81914/1-1()	QPL	Tubing, Plastic, Flexible, Convuluted, PTFE, Standard Convolutions, Black

E. Filler Rods

Table 7
FILLER RODS

Grade	Class	Part Number or Specification	Supplier	Description
A	2	BMS1-11 Type II Grade 60	Boeing	Rod, black synthetic rubber, extruded, nominal diameter 3/8 inch to 3/4 inch, 1/16 inch increments
C	1	BMS1-52	Boeing	Rod, synthetic rubber, high performance silicone, extruded; nominal diameter 1/16 inch to 3/16 inch, 1/16 inch increments
		K-1045N	Union Carbide	Rod, synthetic rubber, extruded; nominal diameter 1/16 inch to 3/16 inch, 1/16 inch increments
		K-1046N		
		L-P-410 Type 6/6	Cadillac Plastics	Rod, plastic, polyimide (nylon), rigid; natural color; specify size.
		L-P-410 Type 6/6	Professional Plastics	
		Silastic 52	Dow Corning	Rod, synthetic rubber, extruded; red, nominal diameter 1/16 inch to 3/16 inch, 1/16 inch increments
D	1	AMS 3656	Available source	Rod, PTFE (Teflon), natural color
		ASTM D 1710	Available source	

Table 8
APPROVED SUPPLIERS OF BOEING STANDARD FILLER ROD MATERIAL

Material	Supplier
BMS1-11 Type II Grade 60	Flexfab
	Flexco

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Table 8 (continued)

Material	Supplier
BMS1-52	Kirkhill-TA
	Rubber Teck

F. Film Strips

Table 9

TEMPERATURE GRADE C CLASS 1 FILM STRIPS

Part Number	Supplier	Description
C1-1/2 Identastrip	General Plastics Corp.	Insulating strip, fiberglass, KEL-F, suspensoid treated; specify width as required

Table 10

TEMPERATURE GRADE D CLASS 1 FILM STRIPS

Part Number	Supplier	Description
E125-2	Fluorglas	Insulating film, PTFE (Teflon), natural type B electrical grade, 0.002 inch thick, 1.0 inch wide
	Saint-Gobain Performance Plastics	Insulating film, PTFE (Teflon), natural type B electrical grade, 0.002 inch thick, 1.0 inch wide
E125-3	Fluorglas	Insulating film, PTFE (Teflon), natural type B electrical grade, 0.003 inch thick, 1.0 inch wide
	Saint-Gobain Performance Plastics	Insulating film, PTFE (Teflon), natural type B electrical grade, 0.003 inch thick, 1.0 inch wide
GB-116T	Continental Diamond Fiber Co.	Insulating strip, non-pressure sensitive, glass cloth, PTFE (Teflon) impregnated; meets AMS 3652 requirements; 0.005 inch thick; width as required in 1/4 inch increments
GB-128T	Continental Diamond Fiber Co.	Insulating strip, non-pressure sensitive, glass cloth, PTFE (Teflon) impregnated; meets AMS 3652 requirements; 0.010 inch thick; width as required in 1/4 inch increments
GB116T	Continental Diamond Fiber Co.	Insulating strip (or film), PTFE (Teflon), unsupported, skived, virgin or reprocessed; natural or blue; 0.005, 0.010, 0.015, 0.020 inch thick; width as required in 1/4 inch increments
GB128T	Continental Diamond Fiber Co.	Insulating strip (or film), PTFE (Teflon), unsupported, skived, virgin or reprocessed; natural or blue; 0.005, 0.010, 0.015, 0.020 inch thick; width as required in 1/4 inch increments
P-412	Permacel	Insulating film, PTFE (Teflon), natural type B electrical grade, 0.003 inch thick, 1.0 inch wide

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Table 10 (continued)

Part Number	Supplier	Description
R/M 827	Raybestos- Manhattan, Inc.	Insulating strip (or film), PTFE (Teflon), unsupported, skived, virgin or reprocessed; natural or blue; 0.005, 0.010, 0.015, 0.020 inch thick; width as required in 1/4 inch increments
S-16815	W. S. Shamban and Co.	Insulating strip (or film), PTFE (Teflon), unsupported, skived, virgin or reprocessed; natural or blue; 0.005, 0.010, 0.015, 0.020 inch thick; width as required in 1/4 inch increments
Scotch 3082	3M Company	Insulating film, PTFE (Teflon), natural type B electrical grade, 0.002 inch thick, 1.0 inch wide
Scotch 48	3M Company	Insulating film, TFE, 0.003 inch thick

Table 11

FILM STRIPS NO LONGER MANUFACTURED

Part Number	Supplier
E125-2	Fluorglas
E125-3	Fluorglas
Scotch 3082	3M

G. Inks

NOTE: Inks are not put into general groups of Grade or Class.

Table 12

INKS

Grade	Class	Part Number	Supplier	Description
-	-	No. 68 Fast Dry	Independent	Ink
-	-	No. 73X NW Opaque	Independent	Ink
-	-	No. 73X Opaque	Independent	Ink
-	-	683-3-2	Akzo	Paint, Clear
-	-	Clear Lacquer	Tartan	Paint, Clear
-	-	EC-776	3M	Paint, Clear
-	-	EC-776SR	3M	Paint, Clear
-	-	Ultra Fine Point	Sanford Sharpie	Permanent Ink Pen
-	-	SCA-UF	Pilot	Permanent Ink Pen
-	-	SCAN-UF-B	Pilot	Permanent Ink Pen

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H. Lubricants

NOTE: Lubricants are not put into general groups of Grade or Class.

Table 13
LUBRICANTS

Grade	Class	Part Number	Supplier	Description
-	-	-	An available source	Cetyl Alcohol Paste; viscosity of 10 to 100 centistokes
		-	An available source	Isopropyl Alcohol
		-	An available source	TFE Release Agent Dry Lubricant
		-	An available source	Talcum Powder

I. Potting Compounds

Table 14
POTTING COMPOUNDS

Grade	Class	Part Number	Supplier	Description
A	1	MIL-PRF-8516 Type II Class 2	QPL	Potting, flexible, electrical sealing, -65 degrees F to 225 degrees F
C	1	Silastic-738	Dow Corning	Potting, flexible, electrical sealing, -85 degrees F to 360 degrees F
		RTV-162	General Electric	Potting, flexible, electrical sealing, -75 degrees F to 480 degrees F
		DC-3145	Dow Corning	Potting, flexible, electrical sealing, -65 degrees F to 482 degrees F

J. Pull Cord

Table 15
PULL CORD

Temperature Grade	Fluid Class	Specification	Designation	Supplier
A	1	MIL-T-43435 Type II	Style DH, D96, DPTH,DZ	Gudebrod, Inc
			Style DOF, Finish Code G	Western Filament
B	1	BMS13-54	Type I, Finish C	BMS13-54 QPL
C	1	BMS 13-54	Type IB, Finish C	BMS13-54 QPL

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MATERIALS AND PARTS

Table 15 (continued)

Temperature Grade	Fluid Class	Specification	Designation	Supplier
D	1	BMS13-54	Type II, Finish C or D/C	BMS13-54 QPL
			Type III, Finish C	BMS13-54 QPL
			Type IIIB, Finish C	BMS13-54 QPL
		MIL-T-43435 Type V, Finish C	Series Z	Gudebrod
			Style HOF, Finish Code G	Western Filament
		MIL-T-43435 Type IV Finish D	Style TG	Bentley Harris
			Style E779	Fuorglas
			Style T	Gudebrod
			Style LOF, Finish Code G	Western Filament

NOTE: The material category is tape, and the material key characteristic is lacing.

NOTE: Refer to subject 20-10-11 for the procedures of using pull cord to install wire harnesses through conduits.

K. Seal Plugs

Table 16
SEAL PLUGS

Grade	Class	Part Number	Supplier	Material	Reference for Size and Color
A	2	BACP20BA1	American United Seal, Stillman Seal Division	BMS 1-33, Grade 60 butyl rubber	-
			Kirkhill Rubber		
C	2	MS27488	Iconics	FEP	Table 17
D	2	AM488(PFA)	Alnan Manufacturing	PFA	Table 17
D	2	MS27488	Iconics	PFA	Table 17

Table 17
SEAL PLUG SIZES

Contact Cavity Size	Seal Plug	
	Part Number	Color
22	AM48822PFA	Black
	MS27488-22-1	Black
20	AM48820PFA	Red
	MS27488-20-1	Red

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Table 17 (continued)

Contact Cavity Size	Seal Plug	
	Part Number	Color
16	AM48816PFA	Blue
	MS27488-16-1	Blue
12	AM48812PFA	Yellow
	MS27488-12-1	Yellow
8	MS27488-8-1	Red
5	MS27488-4-1	Blue
4	MS27488-4-1	Blue
0	MS27488-0-1	Yellow

L. Seal Rods

Table 18
SEAL RODS

Grade	Class	Part Number or Specification	Supplier	Description
C	1	L-P-410 Type 6/6	Cadillac Plastics	Rod, plastic, polyimide (nylon), rigid; natural color; for applicable size, refer to Table 19
		L-P-410 Type 6/6	Professional Plastics	
D	1	AMS 3656	Available source	Rod, PTFE (Teflon), natural color; for applicable size, refer to Table 19
D	1	ASTM D 1710	Available source	Rod, PTFE (Teflon), natural color; for applicable size, refer to Table 19

Table 19
SEAL ROD SIZES

Contact Cavity Size	Diameter (inch)	
	Target	Tolerance
22	0.042	± 0.003
20	0.063	± 0.003
16	0.094	± 0.003
12	0.125	± 0.003
08	0.180	± 0.003

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M. Shield Materials

Table 20
SHIELD MATERIALS

Grade	Class	Standard or Specification	Supplier	Description
B	1	AA59569	A Qualified Source	Braid, tubular, tin plated copper
		BAC3108	Boeing	Braid, tubular, tin plated copper
		QQB575	A Qualified Source	Braid, tubular, tin plated copper
D	1	AA59569	A Qualified Source	Braid, tubular, nickel plated copper
		BAC3106	Boeing	Braid, tubular, nickel plated copper

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Table 21
BOEING STANDARD SHIELD MATERIAL PART NUMBERS

Temperature Grade	Inside Diameter (inch)	Part Number
B	0.031	BAC3108-1B
	0.063	BAC3108-1D
	0.078	BAC3108-1E
	0.109	BAC3108-1G
	0.125	BAC3108-1
	0.156	BAC3108-2B
	0.172	BAC3108-2C
	0.203	BAC3108-2F
	0.250	BAC3108-2
	0.281	BAC3108-3B
	0.313	BAC3108-3D
	0.375	BAC3108-3
	0.438	BAC3108-4D
	0.500	BAC3108-4
	0.563	BAC3108-5D
	0.656	BAC3108-5F
	0.688	BAC3108-6D
	0.750	BAC3108-6
	0.781	BAC3108-7B
	0.813	BAC3108-7D
	0.875	BAC3108-7
	1.000	BAC3108-8
	1.125	BAC3108-9
	1.250	BAC3108-10
	1.375	BAC3108-11
	1.500	BAC3108-12
	1.625	BAC3108-13
	2.000	BAC3108-16

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Table 21 (continued)

Temperature Grade	Inside Diameter (inch)	Part Number
D	0.063	BAC3106-1
	0.109	BAC3106-3
	0.125	BAC3106-3A
	0.156	BAC3106-3B
	0.172	BAC3106-3C
	0.203	BAC3106-4
	0.250	BAC3106-5A
	0.375	BAC3106-6A
	0.438	BAC3106-7A
	0.500	BAC3106-8A
	0.563	BAC3106-9
	0.625	BAC3106-10
	0.750	BAC3106-10A
	0.781	BAC3106-11A
	0.875	BAC3106-12
	1.000	BAC3106-13
	1.125	BAC3106-14
	1.375	BAC3106-15
	1.500	BAC3106-16
	1.875	BAC3106-16A
	2.000	BAC3106-17
	2.250	BAC3106-18

Table 22

APPROVED SUPPLIERS OF BOEING STANDARD SHIELD MATERIALS

Shield Material	Supplier
BAC3106-()	Continental Cordage
	New England Electrical Wire
BAC3108-()	Alpha Wire
	Birnbach
	Continental Cordage
	New England Electrical Wire
	Standard Wire and Cable

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Table 23
ALTERNATIVE SHIELD MATERIALS

Boeing Standard	Alternative Shield Material
BAC3106-1	AA59569R36N0062
BAC3106-3	AA59569R36N0109
BAC3106-3A	AA59569R36N0125
BAC3106-3B	AA59569R36N0156
BAC3106-3C	AA59569R36N0171
BAC3106-4	AA59569R36N0203
BAC3106-5A	AA59569R36N0250
BAC3106-6A	AA59569R36N0375
BAC3106-7A	AA59569R30N0437
BAC3106-8A	AA59569R36N0500
BAC3106-9	-
BAC3106-10	-
BAC3106-10A	-
BAC3106-11A	AA59569R36N0781
BAC3106-12	AA59569R30N0875
BAC3106-13	AA59569R30N1000
BAC3106-14	AA59569R30N1125
BAC3106-15	AA59569R30N1375
BAC3106-16	AA59569R30N1500
BAC3106-16A	-
BAC3106-17	AA59569R30N2000
BAC3106-18	-
BAC3108-1B	AA59569R36T0031
	QQB575R36T031
BAC3108-1D	AA59569R36T0062
	QQB575R36T062
BAC3108-1E	AA59569R36T0078
	QQB575R36T078
BAC3108-1G	AA59569R36T0109
	QQB575R36T109
BAC3108-1	AA59569R36T0125
	QQB575R36T125

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Table 23 (continued)

Boeing Standard	Alternative Shield Material
BAC3108-2B	AA59569R36T0156
	QQB575R36T156
BAC3108-2C	AA59569R36T0171
	QQB575R36T171
BAC3108-2F	AA59569R36T0203
	QQB575R36T203
BAC3108-2	AA59569R36T0250
	QQB575R36T250
BAC3108-3B	AA59569R30T0281
	QQB575R30T281
BAC3108-3D	-
BAC3108-3	AA59569R36T0375
	QQB575R36T375
BAC3108-4D	AA59569R30T0437
	QQB575R30T437
BAC3108-4	AA59569R36T0500
	QQB575R36T500
BAC3108-5D	AA59569R30T0562
	QQB575R30T562
BAC3108-5F	AA59569R30T0656
	QQB575R30T656
BAC3108-6D	-
BAC3108-6	-
BAC3108-7B	AA59569R36T0781
	QQB575R36T781
BAC3108-7D	-
BAC3108-7	AA59569R30T0875
	QQB575R30T875
BAC3108-8	-
BAC3108-9	AA59569R30T1125
	QQB575R30T1125
BAC3108-10	-

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Table 23 (continued)

Boeing Standard	Alternative Shield Material
BAC3108-11	AA59569R30T1375
	QQB575R30T1375
BAC3108-12	AA59569R30T1500
BAC3108-13	-
BAC3108-16	AA59569R30T2000

Table 24

OTHER ALTERNATIVE SHIELD MATERIAL PART NUMBERS

Specified Shield Material	Alternative Shield Material
QQB575R36T0031	AA59569R36T0031
	BAC3108-1B
QQB575R36T0062	AA59569R36T0062
	BAC3108-1D
QQB575R36T0078	AA59569R36T0078
	BAC3108-1E
QQB575R36T0109	AA59569R36T0109
	BAC3108-1G
QQB575R36T0125	AA59569R36T0125
	BAC3108-1
QQB575R36T0156	AA59569R36T0156
	BAC3108-2B
QQB575R36T0171	AA59569R36T0171
	BAC3108-2C
QQB575R36T0203	AA59569R36T0203
	BAC3108-2F
QQB575R36T0250	AA59569R36T0250
	BAC3108-2
QQB575R30T0281	AA59569R30T0281
	BAC3108-3B
QQB575R36T0375	AA59569R36T0375
	BAC3108-3
QQB575R30T0437	AA59569R30T0437
	BAC3108-4D

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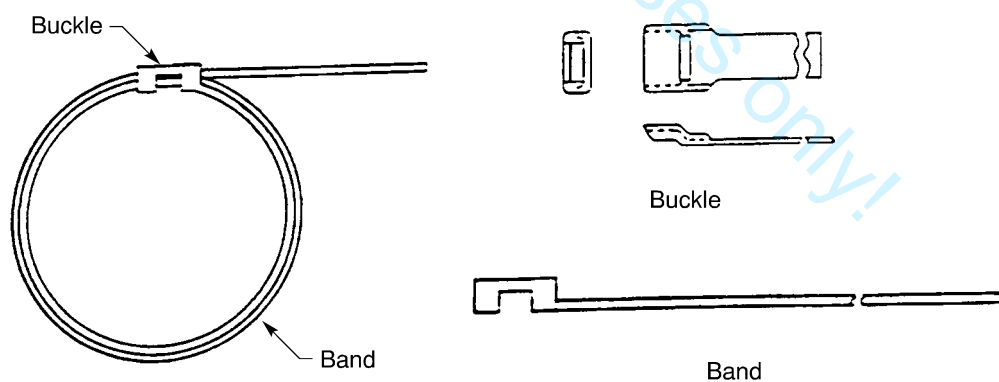
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MATERIALS AND PARTS

Table 24 (continued)

Specified Shield Material	Alternative Shield Material
QQB575R36T0500	AA59569R36T0500
	BAC3108-4
QQB575R30T0562	AA59569R30T0562
	BAC3108-5D
QQB575R30T0656	AA59569R30T0656
	BAC3108-5F
QQB575R36T0781	AA59569R36T0781
	BAC3108-7B
QQB575R30T0875	AA59569R30T0875
	BAC3108-7
QQB575R30T1000	AA59569R30T1000
	BAC3108-8
QQB575R30T1125	AA59569R30T1125
	BAC3108-9
QQB575R30T1375	AA59569R30T1375
	BAC3108-11

N. Shield Terminator Band Part Numbers



CONFIGURATION OF THE BACB42F() SHIELD TERMINATOR BAND
Figure 1

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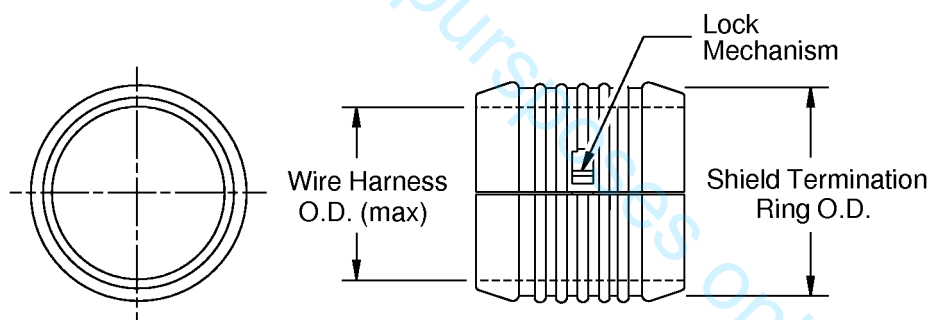
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MATERIALS AND PARTS

Table 25
BACB42F() SHIELD TERMINATOR BAND PART NUMBERS

Boeing Standard	Nominal Diameter (inch)	Nominal Width (inch)	Nominal Length (inch)	Supplier Part Number	Supplier
BACB42F3	1.8	0.24	14	A10086	Band-it Idex
				A10099	WTG Group
				600-052	Glenair
				-	Electro Adapter Inc.
				-	Joslyn Sunbank Co.
BACB42F4	0.9	0.12	8	A31186	Band-it Idex
				A31186	Glenair
				A31199	WTG Group
				-	Electro Adapter Inc.
				-	Joslyn Sunbank Co.

O. Shield Termination Ring Part Numbers



MIL-C-85049/93-() SHIELD TERMINATION RING
Figure 2

Table 26
SHIELD TERMINATION RING PART NUMBERS AND SIZES

Part Number	Maximum Wire Harness O.D or Maximum Cable O.D. (inch)	Shield Termination Ring O.D. (inch)	Supplier
M85049/93-04	.25	.39	QPL-AS85049
M85049/93-06	.38	.52	QPL-AS85049
M85049/93-08	.50	.64	QPL-AS85049
M85049/93-10	.63	.77	QPL-AS85049

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Table 26 (continued)

Part Number	Maximum Wire Harness O.D or Maximum Cable O.D. (inch)	Shield Termination Ring O.D. (inch)	Supplier
M85049/93-12	.75	.90	QPL-AS85049
M85049/93-14	.88	1.09	QPL-AS85049
M85049/93-16	1.00	1.17	QPL-AS85049
M85049/93-18	1.13	1.31	QPL-AS85049
M85049/93-20	1.25	1.45	QPL-AS85049
M85049/93-22	1.38	1.58	QPL-AS85049
M85049/93-24	1.50	1.70	QPL-AS85049
M85049/93-26	1.63	1.83	QPL-AS85049
M85049/93-28	1.75	1.95	QPL-AS85049

P. Sleeves

Table 27
COLD SHRINKABLE SLEEVES

Grade	Class	Part Number	Supplier	Description
D	1	8443-()	3M Company	Insulating sleeve, cold shrinkable, silicone rubber, graph, sizes as required
		8445-()	3M Company	Insulating sleeve, cold shrinkable, silicone rubber, graph, sizes as required
		8447-()	3M Company	Insulating sleeve, cold shrinkable, silicone rubber, graph, sizes as required

Table 28
3M COMPANY COLD SHRINK SLEEVES

Sleeve	Wire Size (AWG)		Area of Protection			
	Minimum	Maximum	Diameter (inch)		Length (inch)	
			Minimum	Maximum	Minimum	Maximum
8443-2	6	2	0.27	0.56	1.15	1.56
8443-6.5	6	2	0.27	0.56	4.70	5.50
8445-2.5	2	1/0	0.35	0.72	1.20	1.88
8445-7.5	2	1/0	0.35	0.72	5.20	6.00
8447-3.2	1/0	3/0	0.48	0.95	1.90	2.52

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MATERIALS AND PARTS

Table 28 (continued)

Sleeve	Wire Size (AWG)		Area of Protection			
	Minimum	Maximum	Diameter (inch)		Length (inch)	
			Minimum	Maximum	Minimum	Maximum
8447-8	1/0	3/0	0.48	0.95	5.80	6.88

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Table 29
HEAT SHRINKABLE SLEEVES

Grade	Class	Part Number	Supplier	Description
A	2	Scotch 3028	3M	Insulating sleeve, heat shrinkable, stabilized vinyl, flexible, flame retardant, ASTM-D-876, AMS-DTL-25053; clear; standard I.D. sizes as required
B	1	AMS-DTL-23053/5 Class 1	An available source	Insulating sleeve, heat shrinkable, irradiated polyolefin, flame retardant
		AMS-DTL-23053/8	An available source	Insulating sleeve, heat shrinkable, polyvinylidene fluoride; clear; nominal I.D.: 3/64 inch to 1.5 inch
		CRN (Type 1)	Tyco/Raychem	Insulating sleeve, heat shrinkable, irradiated polyolefin, semi-rigid, flame retardant, AMS-DTL-23053
		DR-25	Tyco/Raychem	Insulating sleeve, heat shrinkable, thin wall, semi-rigid, fuel resistant
		ECC-VFP-876	Electronized Chemicals	Insulating sleeve, heat shrinkable; irradiated polyolefin, flexible, flame retardant per ASTM-D-876, AMS-DTL-23053; colors: red, yellow, blue; sizes: 1/16, 3/32, 1/8, 3/16, 1/4, 3/8, 1/2, 3/4, 1, 1-1/2, 2 inch
		MIL-LT	Tyco/Raychem	Insulating sleeve, heat shrinkable, irradiated polyolefin, flame retardant, MIL-R-46846 Type V, AMS-DTL-23053/5
		PLF 100	Plastronic	Insulating sleeve, heat shrinkable, irradiated polyolefin, flame retardant, AMS-DTL-23053/5
		RT-876	Tyco/Raychem	Insulating sleeve, heat shrinkable, irradiated polyolefin, flame retardant, AMS-DTL-23053/5
		RW-175	Tyco/Raychem	Insulating sleeve, heat shrinkable, polyvinylidene fluoride, AMS-DTL-23053/8; clear; nominal I.D.: 3/64 inch to 1.5 inch
		Versafit	Tyco/Raychem	Insulating sleeve, heat shrinkable, irradiated polyolefin, flame retardant, AMS-DTL-23053/5
	2	DWP-125	Tyco/Raychem	Insulating sleeve, heat shrinkable, irradiated polyolefin with meltable inner wall, flame retardant; black; I.D.: 3/16, 1/4, 3/8, 1/2, 3/4, 1, 1-1/4 inch

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Table 29 (continued)

Grade	Class	Part Number	Supplier	Description
C	1	MWSF	Remtek	Insulating sleeve, heat shrinkable, irradiated polyolefin, meltable inner wall, flame retardant; black; I.D.: 3/16, 1/4, 3/8, 1/2, 3/4, 1, 1-1/4 inch
D	1	AMS-DTL-23053/12 Class 2	An available source	Insulating sleeve, heat shrinkable, polytetrafluoroethylene (TFE, Teflon); natural color; sizes: 0.05 inch to 1.5 inches ID
		AMS-DTL-23053/12 Class 3	An available source	Insulating sleeve, heat shrinkable, polytetrafluoroethylene (TFE, Teflon), thin wall; natural color; sizes: 0.03 inch to 0.47 inch ID
		AMS-DTL-23053/12 Class 5	An available source	Insulating sleeve, heat shrinkable, polytetrafluoroethylene (TFE, Teflon), thin wall; natural color; sizes: 0.07 inch to 4.0 inches ID
		Insultite TFE Standard Wall	Electronized Chemicals	Insulating sleeve, heat shrinkable, tetrafluoroethylene (TFE) and polytetrafluoroethylene (PTFE) (Teflon) AMS-DTL-23053/12; red, yellow, blue, and natural color
		Penntube I Shrinkable	Pennsylvania Fluorocarbon	
		Penntube II	Pennsylvania Fluorocarbon	
		TFE 2 to 1	Zeus Industrial Products	
		TFE 2X Standard Wall	Chemplast	
			Zeus Industrial Products	
		TFE 2XTW Thin Wall	Zeus Industrial Products	
		TFE 4X Thin Wall	Chemplast	
			Zeus Industrial Products	

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Table 30
HEAT SHRINKABLE SLEEVES NO LONGER MANUFACTURED

Grade	Class	Part Number	Supplier	Description
B	1	MIL-DTL-23053/5 Class 1	An available source	Insulating sleeve, heat shrinkable, irradiated polyolefin, flame retardant
		MIL-DTL-23053/8	An available source	Insulating sleeve, heat shrinkable, polyvinylidene fluoride, AMS-DTL-23053/8; clear; nominal I.D.: 3/64 inch to 1.5 inch
		MIL-I-23053/5 Class 1	An available source	Insulating sleeve, heat shrinkable, irradiated polyolefin, flame retardant
		MIL-I-23053/8	An available source	Insulating sleeve, heat shrinkable, polyvinylidene fluoride, AMS-DTL-23053/8; clear; nominal I.D.: 3/64 inch to 1.5 inch
		RT-850	Tyco/Raychem	
		RT-876	Tyco/Raychem	Insulating sleeve, heat shrinkable, irradiated polyolefin, flame retardant, MIL-R-46846 Type V
	2	PD	Tyco/Raychem	Insulating sleeve, heat shrinkable, irradiated polyolefin with meltable inner wall, flame retardant; black; I.D.: 3/16, 1/4, 3/8, 1/2, 3/4, 1, 1-1/4 inch
		PD-70	Tyco/Raychem	
D	1	MIL-DTL-23053/12 Class 2	An available source	Insulating sleeve, heat shrinkable, polytetrafluoroethylene (TFE, Teflon); natural color; sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1 inch
		MIL-DTL-23053/12 Class 3	An available source	Insulating sleeve, heat shrinkable, polytetrafluoroethylene (TFE, Teflon), thin wall; natural color; sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1 inch
		MIL-DTL-23053/12 Class 5	An available source	
		MIL-I-23053/12 Class 2	An available source	Insulating sleeve, heat shrinkable, polytetrafluoroethylene (TFE, Teflon); natural color; sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1 inch
		MIL-I-23053/12 Class 3	An available source	Insulating sleeve, heat shrinkable, polytetrafluoroethylene (TFE, Teflon), thin wall; natural color; sizes: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1 inch
		MIL-I-23053/12 Class 5	An available source	

Table 31
RAYCHEM RT-876 HEAT SHRINKABLE SLEEVES

Sleeve Size (inch)	Inside Diameter (inch)		Nominal Recovered Wall Thickness (inch)
	Minimum Expanded	Maximum Recovered	
3/64	0.046	0.023	0.016
1/16	0.063	0.031	0.017
3/32	0.093	0.046	0.020

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MATERIALS AND PARTS

Table 31 (continued)

Sleeve Size (inch)	Inside Diameter (inch)		Nominal Recovered Wall Thickness (inch)
	Minimum Expanded	Maximum Recovered	
1/8	0.125	0.062	0.020
3/16	0.187	0.093	0.023
1/4	0.250	0.125	0.028
3/8	0.375	0.187	0.028
1/2	0.500	0.250	0.028
3/4	0.750	0.375	0.033
1	1.000	0.500	0.035
1-1/2	1.500	0.750	0.040
2	2.000	1.000	0.045
3	3.000	1.500	0.050
4	4.000	2.000	0.055

Table 32

ALTERNATIVE HEAT SHRINKABLE SLEEVE PART NUMBERS

Specified Part Number	Alternative Part Number
AMS-DTL-23053/5 Class 1	MIL-DTL-23053/5 Class 1
	MIL-I-23053/5 Class 1
	MIL-LT
	PLF 100
	RT-876
	Versafit
AMS-DTL-23053/8	MIL-DTL-23053/8
	MIL-I-23053/8
	RT-850
	RW-175
AMS-DTL-23053/12 Class 2	MIL-DTL-23053/12 Class 2
	MIL-I-23053/12 Class 2
	TFE 2X Standard Wall
AMS-DTL-23053/12 Class 3	MIL-DTL-23053/12 Class 3
	MIL-I-23053/12 Class 3
	TFE 2XTW Thin Wall

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Table 32 (continued)

Specified Part Number	Alternative Part Number
AMS-DTL-23053/12 Class 5	MIL-DTL-23053/12 Class 5
	MIL-I-23053/12 Class 5
	TFE 4X Thin Wall
DWP-125	PD
	PD-70
MIL-DTL-23053/5 Class 1	AMS-DTL-23053/5 Class 1
	MIL-I-23053/5 Class 1
	MIL-LT
	PLF 100
	RT-876
	Versafit
MIL-DTL-23053/8	AMS-DTL-23053/8
	MIL-I-23053/8
	RT-850
	RW-175
MIL-DTL-23053/12 Class 2	AMS-DTL-23053/12 Class 2
	MIL-I-23053/12 Class 2
	TFE 2X Standard Wall
MIL-DTL-23053/12 Class 3	AMS-DTL-23053/12 Class 3
	MIL-I-23053/12 Class 3
	TFE 2XTW Thin Wall
MIL-DTL-23053/12 Class 5	AMS-DTL-23053/12 Class 5
	MIL-I-23053/12 Class 5
	TFE 4X Thin Wall
MIL-I-23053/5 Class 1	AMS-DTL-23053/5 Class 1
	MIL-DTL-23053/5 Class 1
	MIL-LT
	PLF 100
	RT-876
	Versafit

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Table 32 (continued)

Specified Part Number	Alternative Part Number
MIL-I-23053/8	AMS-DTL-23053/8
	MIL-DTL-23053/8
	RT-850
	RW-175
MIL-I-23053/12 Class 2	AMS-DTL-23053/12 Class 2
	MIL-DTL-23053/12 Class 2
	TFE 2X Standard Wall
MIL-I-23053/12 Class 3	AMS-DTL-23053/12 Class 3
	MIL-DTL-23053/12 Class 3
	TFE 2XTW Thin Wall
MIL-I-23053/12 Class 5	AMS-DTL-23053/12 Class 5
	MIL-DTL-23053/12 Class 5
	TFE 4X Thin Wall
MIL-LT	AMS-DTL-23053/5 Class 1
	MIL-DTL-23053/5 Class 1
	MIL-I-23053/5 Class 1
	PLF 100
	RT-876
	Versafit
PD	DWP-125
PD-70	DWP-125
Penntube I Shrinkable	TFE 2X Standard Wall
Penntube II	TFE 2X Standard Wall
PLF 100	AMS-DTL-23053/5 Class 1
	MIL-DTL-23053/5 Class 1
	MIL-I-23053/5 Class 1
	MIL-LT
	RT-876
	Versafit
RT-850	AMS-DTL-23053/8
	MIL-DTL-23053/8
	MIL-I-23053/8
	RW-175

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MATERIALS AND PARTS
Table 32 (continued)

Specified Part Number	Alternative Part Number
RT-876	AMS-DTL-23053/5 Class 1
	MIL-DTL-23053/5 Class 1
	MIL-I-23053/5 Class 1
	MIL-LT
	PLF 100
	Versafit
RW-175	AMS-DTL-23053/8
	MIL-DTL-23053/8
	MIL-I-23053/8
	RT-850
TFE 2X Standard Wall	AMS-DTL-23053/12 Class 2
	MIL-DTL-23053/12 Class 2
	MIL-I-23053/12 Class 2
	Penntube I Shrinkable
	Penntube II
	TFE 4X Thin Wall
TFE 2XTW Thin Wall	AMS-DTL-23053/12 Class 3
	MIL-DTL-23053/12 Class 3
	MIL-I-23053/12 Class 3
	TFE 2 to 1
TFE 4X Thin Wall	AMS-DTL-23053/12 Class 5
	MIL-DTL-23053/12 Class 5
	MIL-I-23053/12 Class 5
Versafit	AMS-DTL-23053/5 Class 1
	MIL-DTL-23053/5 Class 1
	MIL-I-23053/5 Class 1
	MIL-LT
	PLF 100
	RT-876

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Table 33
SPIRAL SLEEVES

Part Number	Material	Grade	Class	Color	Inside Diameter (Inch)	Supplier
HT1/8N	Nylon	B	2	Natural	.125	M. M. Newman AMP
500013 - 4						Tyco/AMP
HT1/4N	Nylon	B	2	Natural	.25	M. M. Newman AMP
500015 - 2						Tyco/AMP
HT1/4NB	Nylon	B	2	Black	.25	M. M. Newman AMP
500036 - 2						Tyco/AMP
HT1/4T	Teflon	D	1	-	.25	M. M. Newman AMP
500024 - 1						Tyco/AMP
HT3/8T	Teflon	D	1	-	.325	M. M. Newman AMP
HT1/2N	Nylon	B	2	Natural	.5	M. M. Newman AMP
500017 - 1						Tyco/AMP
HT1/2NB	Nylon	B	2	Black	.5	M. M. Newman AMP
500037 - 1						Tyco/AMP

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Table 34
FLEXIBLE SLEEVES

Grade	Class	Specification	Part Number	Supplier	Description
A	2	MIL-DTL-23053/4 Class 3	Thermofit ATUM 4:1	Tyco/Raychem	Heat Shrinkable, Polyolefin, 4:1 Shrink ratio
B	1	MIL-DTL-23053/5	HSI	Critchley	Heat Shrinkable, Polyolefin
			RP4800-()	Tyco/Raychem	
			Thermofit RNF-100 Type		
			TMS-SCE (RT1805)		
			VFP-876	Electronized Chemicals	
			3M Company		
		MIL-DTL-23053/6	Thermofit CRN, Type I	Tyco/Raychem	Heat Shrinkable, Polyolefin
		MIL-R-46846 Type V	GPO -135	Remtek	Heat Shrinkable, Polyolefin
			VFP-876	Electronized Chemicals	
				3M Company	
		Thermofit RT-876	Tyco/Raychem		

Table 35
PROTECTIVE SLEEVES

Grade	Class	Part Number	Supplier	Description
A	1	Expando KN (Frayless)	Bentley-Harris Manufacturing Co.	Protective sleeve, expandable, braided, Kynar; color as required; nominal I.D.: sizes 1/4, 1/2, 3/4, 1-1/4, 1-3/4 inch
		Expando PT (Frayless)	Bentley-Harris Manufacturing Co.	Protective sleeve, expandable, braided, polyester; color as required; nominal I.D.: sizes 1/4, 1/2, 3/4, 1-1/4, 1-3/4 inch
B	1	Expando HR (Frayless)	Bentley-Harris Manufacturing Co.	Protective sleeve, expandable, braided, halar (E-CTFE); color as required; nominal I.D.: sizes 1/4, 1/2, 3/4, 1-1/4, 1-3/4 inch
	2	Varglas HO	Varflex Corp.	Protective sleeve, fiberglass, acrylic varnish, non-fray; color: green and grey, nominal I.D.: sizes 18 (.042), 16 (.053), 14 (0.072), 12 (0.089), 10 (0.112), 9 (0.124), 6 (0.178) and 1/8, 1/4, 3/8, 1/2, 3/4, 1 inch
		Varglas HP	Varflex Corp.	

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Table 35 (continued)

Grade	Class	Part Number	Supplier	Description
C	1	ROUNDIT 2000NX BMS13-81 Type I	Bentley -Harris Manufacturing Co. (Federal Mogul Systems Protection Group)	Protective sleeve, open, wrappable, color: green, nominal ID: sizes 0.19, 0.13, 0.50, 0.75, 1.00, 1.25, 1.50 inches. Woven blend, Nomex, PPS (polyphenylene sulfide)
D	1	Ben-Har 1151-FRB	Bentley-Harris Manufacturing Co.	Protective sleeve, fiberglass, silicone rubber covered, fungus resistant, 200 degrees C, 8000 Volt minimum average dielectric strength; sizes AWG 24 through 1/0, and I.D. 3/8, 7/16, 1/2, 5/8 inch
		ES-4400	Varflex	Protective sleeve, fiberglass, silicone rubber covered, 200 degrees C, MIL-I-3190/8; sizes AWG 24 through 1 inch I.D.
		Gencote 125C	General Plastics Corp.	Protective sleeve, fiberglass (KEL-F) suspensoid-treated; nominal I.D.: sizes 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 1, 1-1/4 inch
		Gencote 145C	General Plastics Corp.	
		HT-SCE()-2-0	Tyco/Raychem	Nominal I.D.: sizes 3/32, 1/8, 3/16, 1/4, 3/8, 1/2, 3/4, 1, 1-1/2 inch
		TFE Perforated	Zeus Industrial Products, Inc.	Protective sleeve, AMS 3655, polytetrafluoroethylene (TFE, Teflon); perforated as shown in Subject 20-10-11 to drain moisture; color: natural, nominal I.D.: sizes 5 (0.186), 4 (0.208), 3 (0.234), 1 (0.294), and 3/8 (0.387), 7/16 (0.451), 1/2 (0.515), 5/8 (0.643), 3/4 (0.772), 1 (0.030) inch

Table 36
SEPARATION SLEEVES

Grade	Class	Part Number	Supplier	Description
B	2	Varglas HO	Varflex Co.	Separation sleeve, fiberglass, acrylic varnish, non-fray; color: green and grey, nominal I.D.: sizes 18 (.042), 16 (.053), 14 (0.072), 12 (0.089), 10 (0.112), 9 (0.124), 6 (0.178) and 1/8, 1/4, 3/8, 1/2, 3/4, 1 inch
		Varglas HP		
		FC-3 Nonfray Varglas		

Q. Solders

NOTE: Solders are not put into the general group of Class.

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Table 37
SOLDERS

Grade	Class	Alloy	Description	Supplier
C	-	Sn60Pb40	Tin/lead Solder	Almit
				Alpha Metals
				Kester
		Sn63Pb37	Tin/lead solder	Almit
				Alpha Metals
				Kester

Table 38
HIGH TEMPERATURE SOLDERS

Grade	Class	Description	Alloy	Supplier
D	-	High temperature silver/lead solder	Ag06Pb94	Alpha Metals
				Kester

Table 39
SOLDER ALLOY NAMES

Alloy	Specification	Short Name
Ag06Pb94	QQ-S-571	Ag5.5
Sn60Pb40	J-STD-006	Sn60
Sn60Pb40	QQ-S-571	Sn60
Sn63Pb37	J-STD-006	Sn63
Sn63Pb37	QQ-S-571	Sn63

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Table 40
FLUX CORED SOLDERS

Grade	Class	Description	Part Number		Supplier
			Rosin Flux	Mildly Activated Flux (RMA Flux)	
C	-	Flux cored tin/lead solder	Sn60WRMRP2	Sn60WRMAP2	Almit
					Alpha Metals
					Kester
			Sn60WRMRP3	Sn60WRMAP3	Almit
					Alpha Metals
					Kester
			Sn63WRMRP2	Sn63WRMAP2	Almit
					Alpha Metals
					Kester
D	-	High temperature flux cored silver/lead solder, RMA flux	SN96WRMRP2	SN96WRMAP2	Alpha Metals
					Kester
			SN96WRMRP3	SN96WRMAP3	Alpha Metals
					Kester
			SN96WRMRP2	SN96WRMAP2	Alpha Metals
					Kester

R. Solder Fluxes

Table 41
LIQUID SOLDER FLUX

Flux Designator	Specification	Former Name	Supplier
ROL0	J-STD-004	Rosin, mildly activated (RMA)	Almit
			Kester
ROL1	J-STD-004	Rosin, mildly activated (RMA)	Almit
			Kester

S. Solvents

NOTE: Solvents are not put into general groups of Grade or Class.

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Table 42
SOLVENTS

Grade	Class	Part Number or Specification	Description	Supplier
-	-	O-A-51	Acetone	An available source
		O-E-760	Alcohol, ethyl, denatured	An available source
		O-M-232	Alcohol, methyl	An available source
		TT-I-735 Grade A	Alcohol, Isopropyl	An available source
		TT-I-735 Grade B		An available source
		TT-N-95, Type I	Aliphatic naphtha	An available source
		TT-N-95, Type II		An available source
		Freon BF	Cleaning solvent	DuPont
		Freon TF		DuPont
		Genesolv C		Allied Chemical
		Genesolv D		Allied Chemical
		BMS 3-2	Cleaning solvent, general purpose	Boeing
		P-D-680 Type 1	De-greasing solvent	An available source
		Cellosolve Acetate	Ethoxy Ethyl Acetate, 99 percent polyurethane Grade	Union Carbide
		-	N-Heptane, CP Grade, flammable	An available source
		TT-T-266	Thinner, lacquer	An available source
		TT-T-548	Toluene (toluol)	An available source

Table 43
ALTERNATIVE SOLVENTS

Specified Solvent	Alternative Solvent
BMS 3-2 Type I	TT-N-95 Type I
BMS 3-2 Type II	TT-N-95 Type II

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T. Tapes

Table 44
CLOTH TAPES

Grade	Class	Part Number	Supplier	Description
B	2	P-263	Permacel	Nomex, pressure sensitive acrylic adhesive, flame retardant; nominal overall thickness 0.016 inch, 1/2 inch wide
		Scotch 79	3M Company	Glass cloth, pressure sensitive thermosetting acrylic adhesive; 0.007 inch thick, 1/2 inch wide
C	2	P-212HD	Permacel	Glass cloth, silicone adhesive, flame retardant; 0.010 inch thick, 1/2, 3/4, 1 inch widths
D	2	Mystik 7000, Fluorglas Brand	Saint-Gobain Performance Plastics	Glass cloth, pressure sensitive adhesive per MIL-I-19166; white; 0.101 inch thick, 1/2 inch wide

Table 45
ALTERNATIVE CLOTH TAPES

Specified Tape		Alternative Tape	
Part Number	Supplier	Part Number	Supplier
P-263	Permacel	P-212HD	Permacel

Table 46
POLYIMIDE TAPES

Grade	Class	Part Number	Supplier	Description
C	2	2342-1, Fluorglas Brand	Saint-Gobain Performance Plastics	Polyimide, acrylic adhesive; 0.002 inch and 0.003 inch thick, 1/2 inch wide
		K-102	Saint-Gobain Performance Plastics	Polyimide, acrylic adhesive; 0.0025 inch thick, 1/2 inch wide
		Mystik 7367, Fluorglas Brand	Saint-Gobain Performance Plastics	Polyimide, acrylic adhesive; 0.002 inch and 0.003 inch thick, 1/2 inch wide
		Scotch 1205	3M Company	Polyimide, acrylic adhesive; 0.002 inch and 0.003 inch thick, 1/2 inch wide
D	2	2345-2, Fluorglas Brand	Saint-Gobain Performance Plastics	Polyimide, silicone adhesive; 0.002 inch and 0.003 inch thick, 1/2 inch wide

Table 47
ALTERNATIVE POLYIMIDE TAPES

Specified Tape		Alternative Tape	
Part Number	Supplier	Part Number	Supplier
2342-1	Saint Gobain Performance Plastics	K-102	Saint Gobain Performance Plastics

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Table 48
POLYESTER TAPES

Grade	Class	Part Number	Supplier	Description
A	2	M765	Connneticut Hard Rubber	Polyester, pressure sensitive natural rubber adhesive; 0.0025 inch thick
		M765	Furon	
		M765	Saint-Gobain Performance Plastics	

Table 49
POLYESTER TAPES NO LONGER MANUFACTURED

Part Number	Supplier
M765	Connneticut Hard Rubber
M765	Furon

Table 50
RUBBER AND CORK COMPOSITION TAPES

Grade	Class	Part Number	Supplier	Description
A	2	DK-153	Armstrong Cork Co.	Pressure sensitive, rubber and cork composition per MIL-T-6841; 1/32 or 1/16 inch thick, 1/2 inch wide

Table 51
SILICONE TAPES

Grade	Class	Specification	Supplier Part Number	Supplier	Description
C	1	SCD 10-62034-1	E8450-1	Kirkhill Rubber Co.	Fluorosilicone / silicone blend, self-extinguishing; for connector backshell
		SCD 10-62034-2	E8902-2	Kirkhill Rubber Co.	Fluorosilicone / silicone blend, self-extinguishing, for connector backshell

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Table 51 (continued)

Grade	Class	Specification	Supplier Part Number	Supplier	Description
D	2	A-A-59163, Type I	-	QPL	Self-bonding silicone rubber, high temperature, rectangular cross-section, 0.5, 0.75, 1.0, 1.25, and 1.5 inch widths
			Scotch 70	3M Company	A-A-59163, Type I, Self-bonding silicone rubber, high temperature; rectangular cross-section, 0.012 inch thick, 1 inch wide
			912-10X12	Arlon, Silicone Technologies Division	Self-bonding silicone rubber, high temperature; 0.012 inch thick, 1 inch wide
			-	Marian Rubber Products Co.	-
			-	Moxness Products Inc.	-
		-	Temp-R-Tape SGV, CHR Brand	Saint-Gobain Performance Plastics	Insulating, thermal curing silicone rubber coated fiberglass, pressure sensitive, 0.010 inch thick, 1/2 inch wide
		A-A-59163, Type II	-	QPL	Self-bonding silicone rubber, high temperature, triangular cross-section, one inch wide
			Scotch 70HDT	3M Company	A-A-59163, Type II, Self-bonding silicone rubber, high temperature, triangular cross-section, one inch wide

Table 52
PTFE AND TFE TAPES

Grade	Class	Part Number	Supplier	Description
B	1	2242-2, Fluorglas Brand	Saint-Gobain Performance Plastics	TFE fluorocarbon film; pressure sensitive acrylic adhesive; 0.0035 inch thick, 1/2 inch wide
		Scotch 63	3M Company	TFE fluorocarbon film; pressure sensitive acrylic adhesive; 0.0035 inch thick, 1/2 inch wide

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Table 52 (continued)

Grade	Class	Part Number	Supplier	Description
C	2	Mystik 7505, Fluorglas Brand	Saint-Gobain Performance Plastics	PTFE, pressure sensitive thermosetting adhesive per MIL-T-23594; 0.0065 inch thick, 1/2 inch wide
		Scotch 61	3M Company	PTFE, pressure sensitive thermosetting silicone adhesive per MIL-T-23594; 0.0065 inch thick, 1/2 inch wide
		SG23-03	Saint-Gobain Performance Plastics	PTFE, glass supported, pressure sensitive acrylic adhesive; 0.005 inch thick 1/2 inch wide
D	2	2045-5, Fluorglas Brand	Saint-Gobain Performance Plastics	PTFE, skived, pressure sensitive thermosetting silicone adhesive per MIL-T-23594; 0.0065 inch thick, 1/2 inch wide
		2245-5, Fluorglas Brand	Saint-Gobain Performance Plastics	PTFE, pressure sensitive thermosetting silicone adhesive per MIL-T-23594; 0.0065 inch thick, 1/2 inch wide
		A-A-59474, Type I	QPL	PTFE, pressure sensitive, silicone polymer adhesive
		P-421	Permacel	PTFE, skived, pressure sensitive cured silicone adhesive per MIL-T-23594; 0.0065 inch thick, 1/2 inch wide
		P-440	Permacel	PTFE, glass supported, pressure sensitive cured silicone adhesive; 0.005 inch thick, 1/2 inch wide
		SG15-06	Saint-Gobain Performance Plastics	PTFE, glass supported; pressure sensitive silicone adhesive; 0.008 inch thick, 1/2 inch wide
		SG16-05	Saint-Gobain Performance Plastics	PTFE, glass supported; pressure sensitive silicone adhesive; 0.0075 inch thick, 1/2 inch wide
		SG26-03	Saint-Gobain Performance Plastics	PTFE, glass supported; pressure sensitive silicone adhesive; 0.005 inch thick, 1/2 inch wide

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Table 53
PTFE AND TFE TAPES NO LONGER MANUFACTURED

Grade	Class	Part Number	Supplier	Description
C	2	2812-3, Fluorglas	Saint-Gobain Performance Plastics	PTFE, glass supported, pressure sensitive acrylic adhesive; 0.005 inch thick, 1/2 inch wide
D	2	2815-3, Fluorglas Brand	Saint-Gobain Performance Plastics	PTFE, glass supported; pressure sensitive silicone adhesive; 0.0045 inch thick, 1/2 inch wide
		2815-6	Saint-Gobain Performance Plastics	PTFE, glass supported; pressure sensitive silicone adhesive; 0.0075 inch thick, 1/2 inch wide
		CHR-A-2005, CHR Brand	Saint-Gobain Performance Plastics	PTFE, glass supported; pressure sensitive silicone adhesive; 0.005 inch thick, 1/2 inch wide
		CHR-A-2008, CHR Brand	Saint-Gobain Performance Plastics	PTFE, glass supported; pressure sensitive silicone adhesive; 0.008 inch thick, 1/2 inch wide

Table 54
ALTERNATIVE PTFE AND TFE TAPE PART NUMBERS

Specified Tape		Alternative Tape	
Part Number	Supplier	Part Number	Supplier
CHR-A-2005	Saint-Gobain Performance Plastics	SG26-03	Saint-Gobain Performance Plastics
CHR-A-2008	Saint-Gobain Performance Plastics	SG15-06	Saint-Gobain Performance Plastics
2812-3, Fluorglas Brand	Saint-Gobain Performance Plastics	SG23-03	Saint-Gobain Performance Plastics
2815-3, Fluorglas Brand	Saint-Gobain Performance Plastics	SG26-03	Saint-Gobain Performance Plastics
2815-6, Fluorglas Brand	Saint-Gobain Performance Plastics	SG16-05	Saint-Gobain Performance Plastics

Table 55
MASKING TAPES

Part Number	Supplier	Description
P-70	Permacel	High Temperature Masking Tape
P-781	Permacel	High Temperature Masking Tape
Scotch 2693	3M	High Temperature Masking Tape

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U. Thread Locking Compounds

NOTE: Thread locking compounds are not put into general groups of Grade or Class.

Table 56
THREAD LOCKING COMPOUNDS

Grade	Class	Part Number	Supplier	Description
-	-	Threadlocker 242	Loctite Corp.	Medium strength, general purpose adhesive to seal threads
		Precote 30	Nylok Fastener Corp.	

V. Tubes

NOTE: Use tube materials only when they are specified.

Table 57
TUBES

Grade	Class	Specification	Description	Part Number	Supplier
D	1	ASTM D3295	Non-rigid, Non-shrinkable PTFE tube	-	An available satisfactory source
				Atlantic PTFE	Atlantic Tubing
				Penntube I	Pennsylvania Fluorocarbon Co.
				Temprene Teflon Tubing	Hitemp Wires, Inc.

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W. Wipers

Table 58
WIPERS

Material or Tool	Description	Part Number or Specification	Supplier
Cloth, Cleaning	Cotton, non-woven	CCC-C-46	An available source
Wiper	Cotton, low lint	Specified by supplier	An available source
	Cotton, non-woven Grade 142951	BMS15-5 Class A	BBA Nonwovens Walpole
	Cotton, cheesecloth No. 10, 20, 40	BMS15-5 Class A	American Fiber & Finishing
	Cotton, cheesecloth No. 9017	BMS15-5 Class A	DeRoyal Textiles
	Cotton, gauze sponge No. 582556	BMS15-5 Class A	American Fiber & Finishing
	Cotton, gauze sponge No. 9405	BMS15-5 Class A	DeRoyal Textiles
	Cotton, HAN SIN SANG SA Fabric Code No. 3030	BMS15-5 Class A	HO CHANG Medical Company
	Cotton, Hermitex No. 300, 400	BMS15-5 Class A	DeRoyal Textiles
	Cotton, Rymplecloth No. 201, 300, 301	BMS15-5 Class A	American Fiber & Finishing
	Cotton, Weston cloth No. 8000	BMS15-5 Class A	Nippon Weston Company

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CONTACT CRIMP TOOL CROSS REFERENCE

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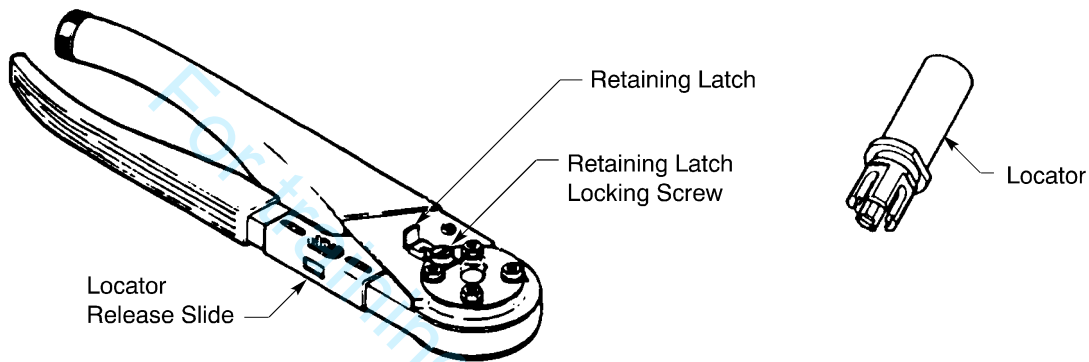
CONTACT CRIMP TOOL CROSS REFERENCE

1. THE BOEING ST2220-() CRIMP TOOL

A. General Description

The Boeing ST2220-() crimp tool is based on the MS3191-A crimp tool and has these features:

- The handle uses replaceable contact locators
- The locators are also identified with an ST2220-() part number
- The tool must be operated through a full cycle
- Crimp depth is controlled by the locator.



ST2220-() CRIMP TOOL HANDLE AND LOCATOR

Figure 1

B. Locator Installation

- (1) Close the handles fully to trip the ratchet, then release the pressure so the handles open fully. Refer to Figure 1.

- (2) Loosen the retaining latch locking screw.
- (3) Pull the latch to the open position.
- (4) Pull the locator release slide.
- (5) Remove the existing locator in the tool head.
- (6) Insert the new locator.

Make sure that the flat on the flange of the locator mates with the flat in the handle. The flange of the locator must be flush with the handle.

- (7) Push the latch to the close position and tighten the locking screw.

The tool is ready to crimp, no adjustment is required.

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2. THE M22520/1-01 CRIMP TOOL

A. General Description

The M22520/1-01 crimp tool has these features:

- The handle uses replaceable turret heads or locators
- The turret heads are identified with an M22520/1-() part number
- The turret head can be rotated to crimp different contacts or contact sizes without removing the head
- The tool must be operated through a full cycle
- Crimp depth is controlled by a selector on the tool.

B. Turret Head Assembly Removal

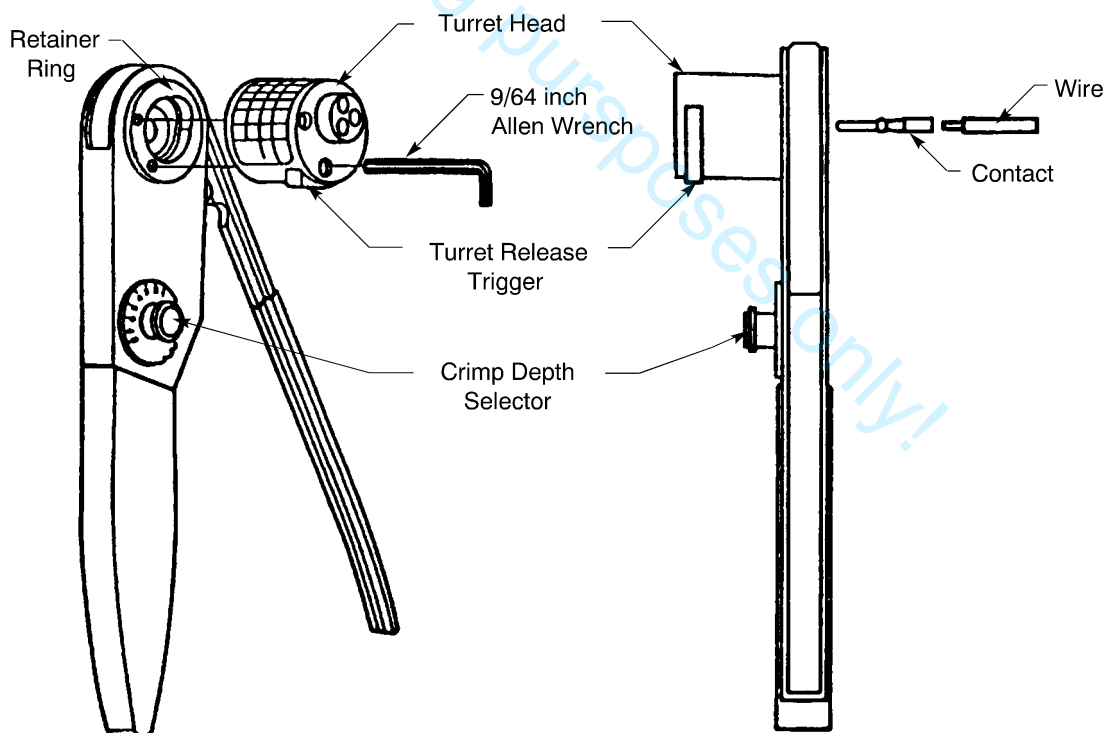
- (1) Loosen the socket head screws until the threads are disengaged from the retainer ring.

All heads (single position or turret) are attached by means of two socket head screws. Refer to Figure 2.

- (2) Remove the turret head with a straight lifting motion.

C. Turret Head Assembly Installation

- (1) With the tool in the open position, press the trigger which releases the turret to the indexing position. Refer to Figure 2.



M22520/1-01 CRIMP TOOL HANDLE AND TURRET LOCATOR

Figure 2

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- (2) Position the turret head assembly onto the retainer ring and line up the screws with the tapped holes.
- (3) After the turret head is seated against the retainer ring, tighten the socket head screws with a 9/64 inch allen wrench.

The turret should index easily without binding.

3. THE M22520/2-01 CRIMP TOOL

A. General Description

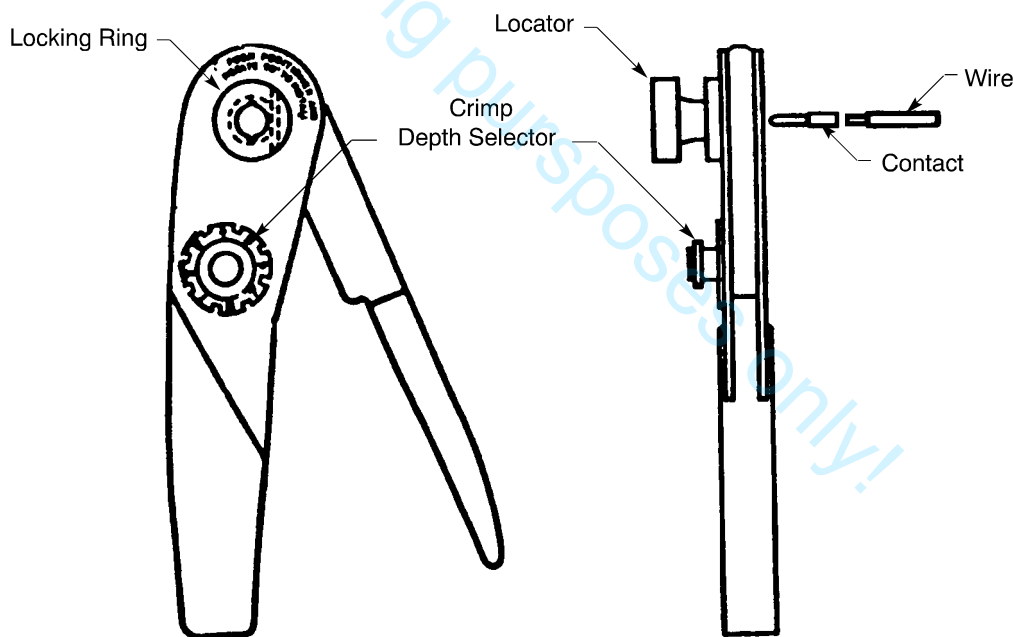
The M22520/2-01 basic crimp tool is designed with eight die closures that are changeable by a selector knob for AWG 20 through AWG 32 with positive ratchet action. The crimp tool has these features:

- The tool accommodates a wide variety of contacts
- The interchangeable locators are easily removed (rotate 90 degrees and pull out)
- Each locator positions the contact longitudinally and transversely in relation to the indentors
- Both the locator and crimp depth selector may be safety wire locked to provide the operator with a tool that cannot be adjusted and to assure crimp depth and location.

B. Locator Removal

- (1) With the tool in the open position, remove the spring clip lock wire.

Refer to Figure 3.



M22520/2-01 CRIMP TOOL HANDLE AND LOCATOR

Figure 3

- (2) Push and rotate the locator 90 degrees.

C. Locator Installation

- (1) Select the correct locator for the cable size and the contact to be crimped.

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- (2) Insert the locator into the lock plate.
 - (3) Push and rotate the locator 90 degrees.
 - (4) Replace the spring clip lock wire.
 - (5) Select the correct selector number on the crimp depth selector:
 - (a) Raise and rotate the crimp depth selector knob until the desired selector number is in line with "SEL. NO".
 - (b) Release the selector knob.
- Make sure that the crimp depth selector knob drops against the tool handle.

4. EQUIVALENT CONTACT CRIMP TOOLS**A. M22520/1-01 Equivalent Crimp Tools**

Table 1 gives the crimp tools and locators that are equivalent to the M22520/1-01 handle and M22520/1-02 head for the contacts in the specified Subject.

For training purposes only!

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CONTACT CRIMP TOOL CROSS REFERENCE

Table 1
M22520/1-01 EQUIVALENT CRIMP TOOLS

Subject	Contact Size		Special	Equivalent Crimp Tool	
	Engaging End	Crimp Barrel		Basic Unit	Locator
Subject 20-61-11	20	20	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-1
				M22520/2-01	M22520/2-02
		18	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-1
				M22520/2-01	M22520/2-02
		16	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-45
				M22520/2-01	M22520/2-02
	16	16	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-2
				MS3191-1	MS3191-16
	12	12	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-3
				MS3191-1	MS3191-12
			Alumel	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-31
			Chromel	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-31
		10	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-3
				MS3191-1	MS3191-12

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CONTACT CRIMP TOOL CROSS REFERENCE

Table 1 (continued)

Subject	Contact Size		Special	Equivalent Crimp Tool	
	Engaging End	Crimp Barrel		Basic Unit	Locator
Subject 20-61-13	16S	16S	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-2
				MS3191-1	MS3191-16A
	16	16	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-2
				MS3191-1	MS3191-16A
	12	12	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-3
				MS3191-1	MS3191-12A
Subject 20-61-19	16	16	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-2
				MS3191-1	MS3191-16A
	12	12	-	M22520/1-01	M22520/1-02
				ST2220-1-Y	ST2220-1-3
				MS3191-1	MS3191-12A

NOTE: The MS3191-12 is equivalent to the MS3191-12A and they are interchangeable. The MS3191-16 is equivalent to the MS3191-16A and they are interchangeable. The MS3191-20 is equivalent to the MS3191-20A and they are interchangeable.

B. M22520/2-01 Equivalent Crimp Tools

Table 2 gives the ST2220-() crimp tool and locator that can be used as the alternative for the M22520/2-01 handle and locator for the contacts in the specified Subject.

Table 2
M22520/2-01 EQUIVALENT CRIMP TOOLS

Subject	Contact Size	Equivalent Crimp Tool	
		Basic Unit	Locator
Subject 20-61-12	20	M22520/2-01	K149
		ST2220-1-Y	ST2220-1-12
Subject 20-71-11	22	M22520/2-01	M22520/2-23
		ST2220-1-Y	ST2220-1-60

STANDARD WIRING PRACTICES MANUAL

CONTACT CRIMP TOOL CROSS REFERENCE

C. ST2220-1-Y Equivalent Crimp Tools

Table 3 gives the M22520/() crimp tool and locator that can be as the alternative for the ST2220-1-Y handle and the locator for the contacts in the specified Subject.

Table 3
ST2220-1-Y CRIMP TOOL EQUIVALENTS

Subject	Contact Size		Special	Equivalent Crimp Tool	
	Engaging End	Crimp Barrel		Basic Unit	Locator
Subject 20-61-11	20	20	-	ST2220-1-Y	ST2220-1-1
				M22520/1-01	M22520/1-02
				M22520/2-01	M22520/2-02
		18	-	ST2220-1-Y	ST2220-1-1
				M22520/1-01	M22520/1-02
				M22520/2-01	M22520/2-02
		16	-	ST2220-1-Y	ST2220-1-45
				M22520/1-01	M22520/1-02
				M22520/2-01	M22520/2-02
	16	16	-	ST2220-1-Y	ST2220-1-2
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-16
	12	12	-	ST2220-1-Y	ST2220-1-3
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-12
			Alumel	ST2220-1-Y	ST2220-1-31
				M22520/1-01	M22520/1-02
		Chromel		ST2220-1-Y	ST2220-1-31
				M22520/1-01	M22520/1-02
		10	-	ST2220-1-Y	ST2220-1-3
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-12
Subject 20-61-12	20	20	-	ST2220-1-Y	ST2220-1-12
				M22520/2-01	K149

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CONTACT CRIMP TOOL CROSS REFERENCE

Table 3 (continued)

Subject	Contact Size		Special	Equivalent Crimp Tool	
	Engaging End	Crimp Barrel		Basic Unit	Locator
Subject 20-61-13	16S	16S	-	ST2220-1-Y	ST2220-1-2
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-16A
	16	16	-	ST2220-1-Y	ST2220-1-2
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-16A
	12	12	-	ST2220-1-Y	ST2220-1-3
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-12A
Subject 20-61-15	20	20	-	ST2220-1-Y	ST2220-1-4
				MS3191-1	11096-1
Subject 20-61-16	20	20	-	ST2220-1-Y	ST2220-1-1
				MS3191-1	MS3191-20
	16	16	-	ST2220-1-Y	ST2220-1-2
				MS3191-1	MS3191-16
Subject 20-61-19	16	16	-	ST2220-1-Y	ST2220-1-2
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-16A
	12	12	-	ST2220-1-Y	ST2220-1-3
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-12A
Subject 20-61-26	20	20	-	ST2220-1-Y	ST2220-1-1
				MS3191-1	3360-2
	16	16	-	ST2220-1-Y	ST2220-1-2
				MS3191-1	2520-3

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CONTACT CRIMP TOOL CROSS REFERENCE

Table 3 (continued)

Subject	Contact Size		Special	Equivalent Crimp Tool	
	Engaging End	Crimp Barrel		Basic Unit	Locator
Subject 20-63-14	16S	16S	-	ST2220-1-Y	ST2220-1-2
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-16A
	16	16	-	ST2220-1-Y	ST2220-1-2
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-16A
	12	12	-	ST2220-1-Y	ST2220-1-3
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-12A
Subject 20-71-11	22	22	-	ST2220-1-Y	ST2220-1-60
				M22520/2-01	M22520/2-23
	20	20	-	ST2220-1-Y	ST2220-1-1
				ST2220-1-Y	ST2220-1-1
				M22520/1-01	M22520/1-02
				M22520/1-01	M22520/1-02
				M22520/2-01	M22520/2-02
				MS3191-1	MS3191-20
	16	16	-	ST2220-1-Y	ST2220-1-2
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-16
	12	12	-	ST2220-1-Y	ST2220-1-3
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-12

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STANDARD WIRING PRACTICES MANUAL

CONTACT CRIMP TOOL CROSS REFERENCE

Table 3 (continued)

Subject	Contact Size		Special	Equivalent Crimp Tool	
	Engaging End	Crimp Barrel		Basic Unit	Locator
Subject 20-71-12	Sub 20	Sub 20	-	ST2220-1-Y	ST2220-1-48
				M22520/1-01	M22520/1-02
				MS3191-1	ST2220-1-48
	20	20	-	ST2220-1-Y	ST2220-1-1
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-20A
	16	16	-	ST2220-1-Y	ST2220-1-2
				M22520/1-01	M22520/1-02
				MS3191-1	MS3191-16A

NOTE: The MS3191-12 is equivalent to the MS3191-12A and they are interchangeable. The MS3191-16 is equivalent to the MS3191-16A and they are interchangeable. The MS3191-20 is equivalent to the MS3191-20A and they are interchangeable.

D. M22520/() Equivalent Supplier Crimp Tools

Table 4 gives the supplier part numbers for M22520/() crimp tools.

Table 4

SUPPLIER PART NUMBERS OF THE M22520/() CRIMP TOOLS

M22520/() Crimp Tool			Equivalent Crimp Tool	
Component	Part Number	Supplier	Part Number	Supplier
Basic Unit	M22520/1-01	QPL	55-000	Daniels
			615708	Astro
			AF8	Daniels
	M22520/2-01	QPL	615717	Astro
			85-220	Balmar
			AFM8	Daniels
			MH 780	Daniels
			MS3198-1	QPL
			TC1652	Airborn
			WA22	Daniels

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Table 4 (continued)

M22520/() Crimp Tool			Equivalent Crimp Tool	
Component	Part Number	Supplier	Part Number	Supplier
Locator	M22520/2-06	QPL	22-106	Balmar
			615722	Astro
			A41	Daniels
			K41	Daniels
			MS3198-6P	QPL
			TP1653	Airborn
	M22520/2-07	QPL	22-107	Balmar
			615723	Astro
			A40	Daniels
			K40	Daniels
			MS3198-7P	QPL
	M22520/2-09	QPL	22-109	Balmar
			615725	Astro
			A42	Daniels
			K42P	Daniels
			MS3198-8P	QPL
Head	M22520/1-04	QPL	55-104	Daniels
			615711	Astro
			TH163	Daniels

5. APPROVED TOOL SUPPLIERS

A. Crimp Tool Suppliers

Table 5
CRIMP TOOL SUPPLIERS

Crimp Tool	Supplier
11096-1	Buchanan
22-106	Balmar
22-107	Balmar
22-109	Balmar
2520-3	Astro
3360-2	Astro
55-000	Daniels

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CONTACT CRIMP TOOL CROSS REFERENCE

Table 5 (continued)

Crimp Tool	Supplier
55-104	Daniels
615708	Astro
615711	Astro
615717	Astro
615722	Astro
615723	Astro
615725	Astro
85-220	Balmar
A40	Daniels
A41	Daniels
A42	Daniels
AF8	Daniels
AFM8	Daniels
K149	Daniels
K40	Daniels
K41	Daniels
K42P	Daniels
M22520/1-01	QPL
M22520/1-02	QPL
M22520/2-01	QPL
M22520/2-02	QPL
M22520/2-23	QPL
MH 780	Daniels
MS3191-1	QPL
MS3191-12	QPL
MS3191-12A	QPL
MS3191-16	QPL
MS3191-16A	QPL
MS3191-20	QPL
MS3191-20A	QPL
MS3198-1	QPL
MS3198-6P	QPL
MS3198-7P	QPL

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CONTACT CRIMP TOOL CROSS REFERENCE

Table 5 (continued)

Crimp Tool	Supplier
MS3198-8P	QPL
ST2220-1-1	Boeing
ST2220-1-12	Boeing
ST2220-1-2	Boeing
ST2220-1-3	Boeing
ST2220-1-31	Boeing
ST2220-1-4	Boeing
ST2220-1-45	Boeing
ST2220-1-48	Boeing
ST2220-1-60	Boeing
ST2220-1-Y	Boeing
TC1652	Airborn
TH163	Daniels
TP1653	Airborn
WA22	Daniels

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

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STANDARD WIRING PRACTICES MANUAL**WIRE TYPE CODES**

This subject gives Wire Type Codes and Wire Specifications or Wire Part Numbers for the 727, 737, 747, 757, 767, and 777 model airplanes.

Wire Specifications and Wire Part Numbers used on model 787 are not given in the Standard Wiring Practices Manual. Refer to 787 Schematics and Wiring data for wire used on model 787.

1. GENERAL DATA**A. Applicable Conditions for Wire Type Code Data**

These conditions are applicable for the Wire Type Code data and the Wire Part Number data in Table 1 and Table 2:

- The primary purpose is to identify the Wire Part Number for the Wire Type Code that is specified in the Wire List of the Wiring Diagram Manual that is applicable for the airplane model
- The secondary purpose is to give a minimum description of the type of wire and its configuration
- An airplane model number for a Wire Type Code does not give approval to use that wire for electronic assembly wiring
- An airplane model number for a Wire Type Code does not give approval to use that wire for changes to airplane wiring that occur after the production of the airplane.

B. Wire Data

For the conditions that are applicable for Wire Type Code and Wire Part Number data, refer to Paragraph 1.A.

The primary data that is given in:

- Table 1 gives the Wire Type Code (WTC) that is specified in the Wiring Diagram Manual (WDM)
- Table 2 gives the Wire Specification or the Wire Part Number for the Wire Type Code (WTC) that is specified in the Wiring Diagram Manual (WDM)
- Table 3 gives the color codes for Boeing Standard Wires.
- Table 4 gives the standard color for Boeing Standard Wires.

C. Wire Specification or Wire Part Number from the WTC

For the part number structure of Boeing Standard Wire Specifications, refer to Paragraph 4.A.

- (1) Find the WTC in Table 1.
- (2) Look in the Model WDM columns for the model or the models that are applicable for the WTC.
- (3) Find the Wire Specification or Wire Part Number for that WTC.
- (4) If that wire is not available, find an Alternative Wire in Subject 20-00-14.

D. Wire Data from the Wire Specification or the Wire Part Number

This Paragraph gives the procedure to find the wire data if the Wire Type Code (WTC) is not known. The wire data is also specified in Table 1 by the Wire Type Code (WTC).

For the part number structure of Boeing Standard Wire Specifications, refer to Paragraph 4.A.

- (1) Find the Wire Specification or the Wire Part Number in Table 2.
- (2) Look in the Model WDM columns for the model or the models that are applicable for the Wire Specification or Wire Part Number.
- (3) Find the Wire Data for that Wire Specification or Wire Part Number.
- (4) If that wire is not available, find an Alternative Wire in Subject 20-00-14.

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

2. WIRE TYPE CODES AND WIRE PART NUMBERS

A. Wire Type Codes

Wire Type Codes for airplane models 727, 737, 747, 757, 767, and 777 are shown in Table 1.

NOTE: Model 787 does not use wire type codes. Refer to 787 Schematics and Wiring data.

Table 1
WIRE TYPE CODES

Wire Type Code	7(7) Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
01	2	3	-	-	-	-	BMS 13-8 Type I Class A	01	High Temperature
02	2	3	-	-	-	-	BMS 13-8 Type II Class A	01	Shielded, High Temperature
03	2	3	-	5	-	-	1-70436-1, TWA, MIL-W-16878D	26	-
04	2	3	-	5	-	-	1-70436-2, TWA, MIL-W-16878D	26	Shielded
05	2	3	-	5	-	-	T8/A	01	Coax
06	2	3	-	5	-	-	21-606, Aljak	01	Coax
07	2	3	-	5	-	-	21-607, Aljak	01	Coax
08	2	3	-	-	-	-	MIL-C-17/163, (RG-8A)	01	Coax
09	2	3	-	-	-	-	5021E1331, Raychem	01	Coax
0A	-	-	-	-	-	7	BMS 13-48 Type 15 Class 1	01	Shielded
0B	-	-	-	-	-	7	BMS 13-48 Type 15 Class 2	02	Shielded
0C	-	-	-	-	6	7	BMS 13-48 Type 15 Class 3	03	Shielded
0D	-	-	-	-	-	7	BMS 13-48 Type 15 Class 4	04	Shielded
0E	-	-	4	3	6	7	BMS 13-65 Type 0E	01	Light Weight Coax
0F	-	3	4	5	6	7	BMS 13-65 Type 0F	01	Light Weight Coax
0G	-	3	4	5	6	7	BMS 13-65 Type 0G	01	Light Weight Coax
0H	-	3	4	5	6	7	BMS 13-65 Type 0H	01	Light Weight Coax
0J	-	3	4	5	6	7	BMS 13-65 Type 0J	01	Light Weight Coax
0K	-	3	4	5	6	7	BMS 13-65 Type 0K	01	Light Weight Coax
0L	-	-	4	-	6	7	BMS 13-60 Type 22 Class 3	03	Al
0M	-	-	4	-	6	7	930-OFSXE, Thermax	3	50 Ohm, Triax
0N	-	3	4	-	6	7	S280W502-1	02	100 ohm, Round Conductor Shield, Adjacent Flat Conductor Shield
0Q	-	3	4	-	6	7	S280W502-3	04	100 ohm, Shielded Pair of Shielded Component Wires

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
0R	-	-	-	-	-	7	S280W502-4	04	100 ohm, Round Conductor Shield, Adjacent Flat Conductor Shield
0S	-	-	-	-	-	7	S280W502-5	04	100 ohm, Round Conductor Shield, Adjacent Flat Conductor Shield
0T	-	3	4	5	6	7	S280W502-6	02	100 ohm, Shielded
0U	-	3	4	-	-	7	24443/9C062X-4, Tensolite	04	100 ohm, Shielded
0V	-	-	-	-	6	-	24473/9P231X-4(LD), Tensolite	2	100 Ohm, Shielded Pair of Shielded Component Wires
0Z	-	-	4	-	6	7	20461/9C059X-4, Tensolite	04	100 ohm, Shielded
10	2	3	-	-	-	-	5012F1339 (10-008), Raychem	01	Coax
11	2	3	-	5	-	-	MIL-C-17/6, (RG-11A)	01	Coax
12	2	3	-	-	-	-	5012F1339, Raychem	01	Coax
13	2	-	-	-	-	-	153049, MIL-W-16878/3 Type D	01	-
14	2	3	-	-	-	-	MIL-W-7139B, MIL-W-7078	02	Shielded, High Temperature
15	2	3	-	-	-	-	MIL-W-7139B, MIL-W-7078	01	Shielded, High Temperature
16	2	3	-	-	-	-	10-02716, MIL-C-13273	02	Retractable
17	-	3	-	5	-	-	MIL-C-17/84, (RG-223)	01	Coax
18	2	3	-	5	-	-	18S6JX, Lewis	01	Shielded, High Temperature
19	-	-	4	-	-	-	MIL-C-17/95, (RG-180B)	01	Coax
1A	2	3	-	-	-	-	BMS 13-13 Type I Class 1	01	-
1B	2	3	-	-	-	-	BMS 13-13 Type I Class 2	02	-
1C	2	3	-	-	-	-	BMS 13-13 Type I Class 3	03	-
1D	2	3	-	-	-	-	BMS 13-13 Type I Class 4	04	-
1E	2	3	4	5	6	-	BMS 13-16 Type I Class 1	01	-
1F	2	3	-	5	-	-	BMS 13-16 Type I Class 2	02	-
1G	2	3	-	5	-	-	BMS 13-16 Type I Class 3	03	-
1H	2	3	-	-	-	-	BMS 13-16 Type I Class 4	04	-
1J	2	3	-	-	-	-	BMS 13-11 Type I Class 1	01	-
1K	2	3	-	-	-	-	BMS 13-11 Type I Class 2	02	-
1L	2	3	-	-	-	-	BMS 13-11 Type I Class 3	03	-
1M	2	3	-	-	-	-	BMS 13-11 Type I Class 4	04	-

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
1N	2	3	-	-	-	-	BMS 13-13 Type I Class 1	01	-
1P	2	3	-	-	-	-	BMS 13-13 Type I Class 2	02	-
1Q	2	3	-	-	-	-	BMS 13-13 Type I Class 3	03	-
1R	2	3	-	-	-	-	BMS 13-10 Type 1Class 1	01	-
1S	2	3	-	-	-	-	BMS 13-10 Type 1Class 2	02	-
1T	2	3	-	-	-	-	BMS 13-10 Type 1Class 3	03	-
1U	2	3	-	-	-	-	BMS 13-10 Type 1Class 4	04	-
1V	-	3	-	-	-	-	BMS 13-13 Type I Class 5	05	-
1W	2	3	-	-	-	-	BMS 13-13 Type I Class 8	08	-
1X	2	3	-	-	-	-	BMS 13-5 Type I Class A	01	-
1Y	2	3	-	-	-	-	BMS 13-5 Type I Class B	02	-
1Z	2	3	-	-	-	-	BMS 13-5 Type I Class C	03	-
20	2	3	-	-	-	-	20S6JX, Lewis	01	Shielded, High Temperature
21	2	3	-	5	-	-	BMS 13-29 Type I Class 1	01	-
22	2	3	-	-	-	-	SS-1222-70, Spectrastrap Cable	12	-
23	2	3	-	5	-	-	BMS 13-29 Type IV Class 4	04	-
24	2	3	-	-	-	-	BMS 13-11 Type V Class 2	02	Shielded
25	2	3	-	-	-	-	12-025C, Raychem	01	Coax
26	2	3	-	-	-	-	7526D1312, Raychem	01	Coax
27	2	3	-	-	-	-	12-125, Raychem	01	Coax
28	-	3	-	-	-	-	N-9004, ITT	02	-
29	-	3	-	-	-	-	45-28-13, ITT	02	-
2A	2	3	-	5	-	-	BMS 13-51 Type VIII Class 1	01	-
2B	2	3	-	5	-	-	BMS 13-51 Type VIII Class 2	02	-
2C	2	3	-	5	-	-	BMS 13-51 Type VIII Class 3	03	-
2D	2	3	-	5	-	-	BMS 13-51 Type VIII Class 4	04	-
2E	2	3	-	5	-	-	BMS 13-51 Type IX Class 1	01	Shielded
2F	2	3	-	5	-	-	BMS 13-51 Type IX Class 2	02	Shielded
2G	2	3	-	5	-	-	BMS 13-51 Type IX Class 3	03	Shielded
2H	2	3	-	5	-	-	BMS 13-51 Type IX Class 4	04	Shielded
2J	2	3	-	-	-	-	BMS 13-51 Type XI Class 1	01	-

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
2K	2	-	-	-	-	-	BMS 13-51 Type XI Class 2	02	-
2L	2	3	-	5	-	-	BMS 13-51 Type XI Class 3	03	-
2M	2	3	-	5	-	-	BMS 13-51 Type XI Class 4	04	-
2N	2	3	-	5	-	-	BMS 13-51 Type XII Class 1	01	Shielded
2P	2	3	-	5	-	-	BMS 13-51 Type XII Class 2	02	Shielded
2Q	2	3	-	5	-	-	BMS 13-51 Type XII Class 3	03	Shielded
2R	2	3	-	5	-	-	BMS 13-51 Type XII Class 4	04	Shielded
2S	-	3	-	-	-	-	BMS 13-51 Type X Class 4	04	-
2T	2	3	-	-	-	-	BMS 13-51 Type XII Class 5	05	Shielded
2U	2	3	-	-	-	-	BMS 13-51 Type X Class 6	06	-
2V	2	3	-	5	-	-	BMS 13-51 Type VIII Class 1	01	Red
2W	2	3	-	5	-	-	BMS 13-51 Type VIII Class 1	01	Yellow
2X	-	-	-	-	-	7	S280T007-3	08	Retractable Cable
2Y	-	3	-	5	-	-	MIL-C-17/84, (RG-223)	01	Coax
2Z	-	-	-	5	6	-	55A6160-(-)2/6-9-9, Raychem	02	Two Shields
30	-	3	-	-	-	-	N-9002, ITT	04	-
31	2	3	-	-	-	-	10-60233-1	05	-
32	-	3	-	-	-	-	10-60233-2	03	-
33	2	3	-	-	-	-	10-60233-3	03	-
34	2	3	-	-	-	-	10-60233-4	03	-
35	2	3	-	-	-	-	10-60233-5	12	-
36	2	3	-	-	-	-	10-60233-6	19	-
37	2	3	-	-	-	-	BMS 13-8 Type III Class A	01	Shielded, High Temperature
38	2	-	-	-	-	-	BMS 13-8 Type III Class B	02	Shielded, High Temperature
39	2	3	-	-	-	-	BMS 13-8 Type I Class A	01	Shielded
3A	2	3	-	-	-	-	BMS 13-11 Type V Class 1	01	Shielded
3B	2	3	-	-	-	-	BMS 13-11 Type V Class 2	02	Shielded
3B	-	-	4	-	6	7	BMS 13-48 Type 12 Class 2	02	Yellow, Shielded
3C	2	3	-	-	-	-	BMS 13-11 Type V Class 3	03	Shielded
3D	2	3	-	-	-	-	BMS 13-11 Type V Class 4	04	Shielded
3E	2	3	-	-	-	-	BMS 13-11 Type V Class 1	01	Shielded

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
3F	2	3	-	-	-	-	BMS 13-11 Type V Class 2	02	Shielded
3G	2	3	-	-	-	-	BMS 13-11 Type V Class 3	03	Shielded
3H	2	3	-	-	-	-	BMS 13-11 Type V Class 4	04	Shielded
3J	2	3	-	-	-	-	BMS 13-11 Type V Class 1	01	Shielded, White
3K	2	3	-	-	-	-	BMS 13-11 Type V Class 2	02	Shielded
3L	2	3	-	-	-	-	BMS 13-11 Type V Class 3	03	Shielded
3M	2	3	-	-	-	-	BMS 13-11 Type V Class 4	04	Shielded
3N	2	3	-	-	-	-	BMS 13-13 Type III Class 1	01	Shielded
3P	2	3	-	-	-	-	BMS 13-13 Type III Class 2	02	Shielded
3Q	2	3	-	-	-	-	BMS 13-13 Type III Class 3	03	Shielded
3R	2	3	-	-	-	-	BMS 13-10 Type 3 Class 1	01	Shielded
3S	2	3	-	-	-	-	BMS 13-10 Type 3 Class 2	02	Shielded
3T	2	3	-	-	-	-	BMS 13-10 Type 3 Class 3	03	Shielded
3U	2	3	-	-	-	-	BMS 13-10 Type 3 Class 4	04	Shielded
3V	2	3	-	-	-	-	BMS 13-10 Type 3 Class 7	07	Shielded
3W	2	3	-	-	-	-	BMS 13-10 Type 3 Class 14	14	Shielded
3X	2	3	-	-	-	-	BMS 13-5 Type III Class A	01	Shielded
3Y	2	3	-	-	-	-	BMS 13-5 Type III Class B	02	Shielded
3Z	2	3	-	-	-	-	BMS 13-5 Type III Class C	03	Shielded
40	2	3	-	-	-	-	10-60816-26	06	-
41	2	3	-	-	-	-	10-60816-25	16	-
42	2	3	-	-	-	-	42-133, Raychem	01	Coax
42	-	-	4	-	6	-	55A1211-10-9-9, Raychem	01	Shielded
43	2	3	4	5	6	7	BMS 13-35 Type I Class 1	01	Al
44	2	3	-	-	-	-	LWAC-144, Lewis	10	Al-Ch, Thermocouple, High Temperature
45	2	3	-	-	-	-	BMS 13-30 Type I Class 1	01	-
46	2	3	-	-	-	-	BMS 13-30 Type I Class 2	02	-
47	2	3	-	-	-	-	BMS 13-30 Type I Class 3	03	-
48	2	3	-	-	-	-	BMS 13-30 Type I Class 4	04	-
49	2	3	-	-	-	-	WW500, Warren, MIL-W-7139B	01	Shielded, High Temperature
4A	2	3	-	-	-	-	BMS 13-13 Type I Class 4	04	-

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
4A	-	-	4	-	-	-	BMS 13-51 Type XIV Class 6	06	-
4B	2	3	-	-	-	-	201-0046, Amphenol	07	-
4B	-	-	4	-	-	-	BMS 13-51 Type XIV Class 7	07	-
4C	2	3	-	-	-	-	10-60816-27	26	-
4C	-	-	4	-	6	-	BMS 13-51 Type XV Class 1	01	Red, Shielded
4D	2	3	-	-	-	-	BMS 13-13 Type IV Class 4	04	-
4D	-	-	4	-	6	-	BMS 13-51 Type VIII Class 1	01	-
4E	2	3	-	-	-	-	7484444-1SN-22, Douglas	01	Shielded
4E	-	-	4	-	-	-	M27500-20ML2T23, MIL-W-81044/12-20, MIL-C-27500	02	Shielded
4F	2	3	-	-	-	-	BS-G192, Uniefglass	01	High Temperature
4F	-	-	4	-	-	-	M27500-22ML2T23, MIL-W-81044/12-22, MIL-C-27500	02	Shielded
4G	2	3	-	-	-	-	BS-G177, Uninyvin	01	-
4G	-	-	4	-	-	-	M27500-20ML4T04, MIL-W-81044/12-20, MIL-C-27500	04	Shielded
4H	-	3	-	5	-	-	55A6160-()-2/6-9-9, Raychem	02	Adjacent Round Conductor Shields
4H	-	-	4	-	-	-	D6-7619-5/915, V96906	10	-
4I	-	-	4	-	-	-	M27500-20ML4T23, MIL-W-81044/12-20, MIL-C-27500	04	Shielded
4J	-	-	-	5	-	-	55A6087-20-9, Raychem	01	Adjacent Round Conductor Shields
4K	-	-	-	5	-	-	55A6088-()-9, Raychem	15	Shielded
4K	-	-	-	-	6	-	BMS 13-51 Type XV Class 1	01	-
4L	-	-	4	-	-	-	24723/70102KK-5, Tensolite	05	Shielded
4L	2	3	-	5	-	-	55A6090-()-9, Raychem	05	Shielded
4M	-	-	4	-	-	-	20722/70172KLX-10, Tensolite	10	Shielded
4Q	-	-	4	-	-	7	BMS 13-48 Type 12 Class 3	03	Yellow, Shielded
4R	-	-	4	-	-	-	55A1821-10-2/6-9, Raychem	02	-
4S	-	-	4	-	-	-	12817, Teledyne	01	Shielded
4T	-	-	4	-	-	-	HB06681/70258T-1, Tensolite	01	Shielded
4U	-	-	4	-	-	-	KWN1108, Gore	02	Wire Wrap, Shielded
50	2	3	-	-	-	-	RSS-5-191, MIL-W-7139B	01	High Temperature

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
51	2	3	-	-	-	-	BMS 13-18 Type IV Class 4	04	High Temperature
52	2	3	-	5	-	-	852-4236774, Pirelli	02	Cu-Cn, Thermocouple
53	2	3	-	-	-	-	8220D0011 (62-22QB), Raychem	02	Shielded
54	2	3	-	-	-	-	7120D0011 (62-320), Raychem	03	Shielded
55	2	3	-	-	-	-	BMS 13-18 Type I Class 4	04	High Temperature
56	2	3	-	-	-	-	P694694	02	Multi-Conductor
57	2	3	-	-	-	-	10-60875-1	02	Shielded
58	2	3	-	-	-	-	MIL-C-17/155, (RG-58C)	01	Coax
59	2	3	4	5	-	-	MIL-C-17/29, (RG-59B)	01	Coax
5A	-	-	-	-	6	7	BMS 13-48 Type 16 Class 1	01	-
5A	2	-	-	5	-	-	BMS 13-51 Type XXVI Class 1	01	-
5B	-	-	-	-	6	-	BMS 13-48 Type 16 Class 1	01	White/Red
5B	-	-	4	-	-	-	BMS 13-51 Type XVIII Class 1	01	Red, Shielded
5B	2	-	-	5	-	-	BMS 13-51 Type XXVI Class 2	02	-
5C	-	-	-	-	6	-	BMS 13-48 Type 16 Class 1	01	Yellow
5C	2	-	-	5	-	-	BMS 13-51 Type XXVI Class 3	03	-
5D	-	-	-	-	6	7	BMS 13-48 Type 16 Class 2	02	-
5D	2	-	-	5	-	-	BMS 13-51 Type XXVI Class 4	04	-
5E	-	-	-	-	6	7	BMS 13-48 Type 16 Class 3	03	-
5E	2	-	-	5	-	-	BMS 13-51 Type XXVII Class 1	01	Shielded
5F	-	-	-	-	6	-	BMS 13-48 Type 16 Class 4	04	-
5F	2	-	-	5	-	-	BMS 13-51 Type XXVII Class 2	02	Shielded
5G	-	-	4	-	6	-	BMS 13-51 Type XVIII Class 1	01	Shielded
5G	2	3	-	5	-	-	BMS 13-51 Type XXVII Class 3	03	Shielded
5H	-	-	4	-	6	-	BMS 13-51 Type XVIII Class 2	02	Shielded
5H	2	-	-	5	-	-	BMS 13-51 Type XXVII Class 4	04	Shielded
5J	-	-	4	-	6	-	BMS 13-51 Type XVIII Class 3	03	Shielded
5J	2	3	-	5	-	-	BMS 13-51 Type XXIX Class 1	01	-
5K	-	-	4	-	6	-	BMS 13-51 Type XVIII Class 4	04	Shielded
5K	2	3	-	5	-	-	BMS 13-51 Type XXIX Class 2	02	-
5L	-	-	4	-	6	-	BMS 13-51 Type XIV Class 1	01	Red

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
5L	2	3	-	5	-	-	BMS 13-51 Type XXIX Class 3	03	-
5M	-	-	4	-	6	-	BMS 13-51 Type XIV Class 1	01	Green
5M	2	3	-	5	-	-	BMS 13-51 Type XXIX Class 4	04	-
5N	-	-	4	-	6	-	BMS 13-51 Type XIV Class 1	01	Yellow
5N	2	3	-	5	-	-	BMS 13-51 Type XXX Class 1	01	Shielded
5P	-	-	4	-	6	-	BMS 13-51 Type XV Class 1	01	Yellow, Shielded
5P	2	3	-	5	-	-	BMS 13-51 Type XXX Class 2	02	Shielded
5Q	2	3	-	5	-	-	BMS 13-51 Type XXX Class 3	03	Shielded
5R	-	-	-	5	-	-	BMS 13-51 Type XXX Class 4	04	Shielded
5S	-	-	4	-	6	-	BMS 13-48 Type 8 Class 1	01	Green
5S	-	-	-	5	-	-	BMS 13-51 Type XXX Class 1	01	Red, Shielded
5T	-	-	-	5	-	-	20721/20087Q-2, Tensolite	02	Shielded
5U	-	-	-	5	-	-	BMS 13-51 Type XXX Class 3	03	Red, Shielded
5V	2	-	-	5	-	-	BMS 13-51 Type XXVI Class 1	01	Red
5W	-	-	-	-	6	-	5026A1314-9, Raychem	01	Coax
5W	-	-	-	5	-	-	BMS 13-51 Type XXVI Class 1	01	Yellow
5X	-	3	-	5	-	-	24721/30130Q-2, Tensolite	02	Shielded
5X	-	-	4	-	6	-	5024A1314, Raychem	01	Coax
5Y	2	-	-	-	-	-	BMS 13-51 Type VI Class 2	02	Shielded
5Y	-	-	-	-	6	-	S280T004-1	38	Shielded, Audio Selector Cable
5Z	2	3	-	5	-	-	BMS 13-51 Type VII Class 2	02	-
60	2	-	-	-	-	-	421-166, Amphenol	03	Triax
61	2	3	4	-	-	-	7524D5011, Raychem	03	Triax
62	2	3	4	-	-	-	MIL-C-17/97, (RG-62B)	01	Coax
63	2	3	-	-	-	-	MIL-C-17/31, (RG-63B)	01	Coax
64	2	3	-	-	-	-	BA6416A, ITT Surprenant	03	Triax
65	2	3	4	5	6	-	BA6903A, ITT Surprenant	01	Coax
66	2	3	4	5	6	7	BA5903A, ITT Surprenant	01	Coax
67	-	-	4	-	-	-	BA14349, ITT Surprenant	01	Coax
67	2	3	-	-	-	-	BMS 13-18 Type III Class 3	03	Shielded, High Temperature
68	2	3	-	-	-	-	BMS 13-18 Type III Class 2	02	Shielded, High Temperature

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
69	2	3	-	-	-	-	BMS 13-18 Type III Class 1	01	Shielded, High Temperature
6A	2	3	4	5	6	-	BMS 13-51 Type XIV Class 1	01	-
6B	2	3	4	5	6	-	BMS 13-51 Type XIV Class 2	02	-
6C	2	3	4	5	6	-	BMS 13-51 Type XIV Class 3	03	-
6D	2	3	4	5	6	-	BMS 13-51 Type XIV Class 4	04	-
6E	2	3	4	5	6	-	BMS 13-51 Type XV Class 1	01	Shielded
6F	2	3	4	5	6	-	BMS 13-51 Type XV Class 2	02	Shielded
6G	2	3	4	5	6	-	BMS 13-51 Type XV Class 3	03	Shielded
6H	2	3	4	5	6	-	BMS 13-51 Type XV Class 4	04	Shielded
6J	2	3	4	5	6	-	BMS 13-51 Type XVII Class 1	01	-
6K	2	3	4	5	6	-	BMS 13-51 Type XVII Class 2	02	-
6L	2	3	4	5	6	-	BMS 13-51 Type XVII Class 3	03	-
6M	2	3	4	5	6	-	BMS 13-51 Type XVII Class 4	04	-
6N	2	3	-	5	-	-	BMS 13-51 Type XVIII Class 1	01	Shielded
6P	-	-	4	-	6	-	BMS 13-51 Type XI Class 1	01	-
6P	2	3	-	5	-	-	BMS 13-51 Type XVIII Class 2	02	Shielded
6Q	-	-	-	-	6	-	BMS 13-51 Type XI Class 2	02	-
6Q	2	3	-	5	-	-	BMS 13-51 Type XVIII Class 3	03	Shielded
6R	-	-	-	-	6	-	BMS 13-51 Type XI Class 3	03	-
6R	2	3	-	5	-	-	BMS 13-51 Type XVIII Class 4	04	Shielded
6S	-	-	4	-	-	-	55A0831-08-92/96/94, Raychem	03	-
6S	-	-	-	-	6	-	BMS 13-51 Type XI Class 4	04	-
6S	-	3	-	-	-	-	BMS 13-51 Type XVIII Class 5	05	Shielded
6T	-	-	-	-	6	-	BMS 13-51 Type XII Class 1	01	-
6T	-	3	-	-	-	-	BMS 13-51 Type XVI Class 4	04	-
6U	-	-	-	-	6	-	BMS 13-51 Type XII Class 2	02	Shielded
6U	2	3	-	-	-	-	BMS 13-51 Type XVI Class 6	06	-
6V	-	-	-	-	6	-	BMS 13-51 Type XII Class 3	03	Shielded
6V	2	3	-	5	-	-	BMS 13-51 Type XIV Class 1	01	Red
6W	-	-	-	-	6	-	BMS 13-51 Type XII Class 4	04	Shielded
6W	2	3	-	5	-	-	BMS 13-51 Type XIV Class 1	01	Yellow

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
6X	-	-	-	-	6	-	BMS 13-51 Type XVII Class 1	01	Red
6Y	-	-	4	-	6	-	22722/60586KK-6, Tensolite	06	Shielded
6Z	-	3	-	-	-	-	10-60816-65	02	-
70	2	3	-	-	-	-	BMS 13-18 Type I Class 1	01	High Temperature
71	2	3	-	-	-	-	MIL-C-17/90, (RG-71B)	01	Coax
72	2	3	-	5	-	-	MIL-C-17/42, (RG-114A)	01	Coax
73	2	3	4	-	6	-	MIL-C-17/75, (RG-214)	01	Coax
74	2	-	-	-	-	-	MIL-W-5274A Type 3 Class A	01	-
74	-	-	4	-	6	7	MIL-C-17/113, (RG-316)	01	Coax
75	2	3	-	5	-	-	12-175, Raychem	01	Coax
75	-	-	4	-	-	-	MIL-DTL-17/128, (RG-400)	01	Coax
76	2	3	-	5	-	-	21-768, Raychem	02	Shielded
76	-	-	4	-	-	-	MIL-DTL-17/134-0001	01	Triax, Shielded
77	2	3	-	-	-	-	BMS 13-18 Type I Class 2	02	High Temperature
77	-	-	4	-	-	-	MIL-DTL-17/170, (RG-303)	01	Coax
78	2	3	4	5	6	-	MIL-DTL-17/60, (RG-142B)	01	Coax
79	2	3	4	-	-	-	MI-5224, Times Wire Company	01	Coax
7A	-	3	4	5	6	-	BMS 13-31 Type V Class 1	01	High Temperature
7B	-	-	4	-	6	-	BMS 13-31 Type V Class 1	01	Red, High Temperature
7C	-	-	4	-	6	-	BMS 13-31 Type V Class 2	02	High Temperature
7D	-	-	4	-	6	-	BMS 13-31 Type V Class 3	03	High Temperature
7E	-	-	4	-	6	-	BMS 13-31 Type V Class 4	04	High Temperature
7F	-	-	4	-	6	-	BMS 13-31 Type VII Class 1	01	Shielded, High Temperature
7G	-	-	4	-	6	-	BMS 13-31 Type VII Class 2	02	Shielded, High Temperature
7H	-	-	4	-	6	-	BMS 13-31 Type VII Class 3	03	Shielded, High Temperature
7J	-	-	4	-	6	7	BMS 13-48 Type 24 Class 4	04	Shielded
7K	-	3	-	5	6	-	976-295, Thermax	02	70 ohm, Tin Plated Shield
7L	-	-	-	-	6	-	S280T001-2	05	PSUD To PSUD Cable
7M	-	-	-	-	6	-	S280T006-1	10	Spoiler Actuating Cable
7N	-	-	-	5	6	-	S280T006-2	07	Spoiler Actuating Cable, Shielded
7P	-	3	4	5	6	7	986-495, Thermax	02	75 ohm

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
7Q	-	3	4	5	6	7	LDF4RN-50A, Andrew	01	Coax
7R	-	-	-	-	6	-	BMS 13-48 Type 19 Class 4	04	-
7S	-	-	-	-	6	-	BMS 13-51 Type XXVI Class 1	01	-
7T	-	-	-	-	6	-	BMS 13-51 Type XXVI Class 1	01	Red
7U	-	-	-	-	6	-	BMS 13-51 Type XXVI Class 1	01	Green
7V	-	-	-	-	6	-	BMS 13-51 Type XXVI Class 2	02	-
7W	-	-	-	-	6	-	BMS 13-51 Type XXVI Class 3	03	-
7X	-	-	-	-	6	-	BMS 13-51 Type XXVI Class 4	04	-
7Y	-	-	-	-	6	-	BMS 13-51 Type XXVII Class 1	01	Shielded
7Z	-	-	-	-	6	-	S280T001-1	06	Electrical P.E.S. Cable
80	2	3	-	5	-	-	853-4221073, Pirelli	02	Cu-Cn, Thermocouple
81	2	3	-	5	-	-	853-4125928, Specialty Cable	02	Cu-Cn, Thermocouple
82	-	-	-	-	6	-	64-500, Prodelin	01	Coax, 50 ohm
82	2	3	-	5	-	-	BA3482, ITT Surprenant	02	Twinax
83	2	3	-	-	-	-	MIL-C-17/74, (RG-213)	01	Coax
84	2	3	-	5	-	-	T214, Times Wire Company	01	Coax
85	2	3	-	5	-	-	LWAC-99JX, Lewis	02	Al-Ch, Thermocouple, High Temperature
86	2	3	4	-	-	-	BMS 13-28 Type I Class 1	01	High Temperature
86	-	-	4	-	-	-	BMS 13-28 Type I Class 1	01	High Temperature
87	2	3	4	-	-	-	BMS 13-28 Type I Class 2	02	High Temperature
88	-	-	4	-	-	-	BMS 13-28 Type I Class 3	03	High Temperature
88	2	3	-	5	-	-	BMS 13-28 Type I Class 4	04	High Temperature
89	2	3	4	-	-	-	BMS 13-28 Type III Class 1	01	Shielded, High Temperature
8A	2	3	-	5	-	-	BMS 13-51 Type IX Class 2	02	Blue, Shielded
8A	-	-	-	-	6	-	BMS 13-51 Type XXVII Class 2	02	Shielded
8B	2	3	-	5	-	-	BMS 13-51 Type IX Class 3	03	Blue, Shielded
8B	-	-	-	-	6	-	BMS 13-51 Type XXVII Class 3	03	Shielded
8C	-	-	4	-	6	7	BMS 13-48 Type 24 Class 1	01	Shielded
8C	2	3	-	5	-	-	BMS 13-51 Type IX Class 4	04	Blue, Shielded
8D	-	-	4	-	6	7	BMS 13-48 Type 24 Class 1	01	White/Red, Shielded
8D	2	3	-	5	-	-	BMS 13-51 Type XXX Class 1	01	Blue, Shielded

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
8E	-	-	4	-	6	7	BMS 13-48 Type 24 Class 3	03	Shielded
8E	2	3	-	5	-	-	BMS 13-51 Type XXX Class 2	02	Blue, Shielded
8F	2	3	-	5	-	-	BMS 13-51 Type XXX Class 3	03	Blue, Shielded
8G	2	3	-	5	-	-	BMS 13-51 Type XXX Class 4	04	Blue, Shielded
8H	-	-	4	6	-	7	BMS 13-48 Type 22 Class 4	04	-
8H	2	3	-	5	-	-	BMS 13-51 Type XV Class 2	02	Yellow, Shielded
8J	-	-	-	-	6	7	BMS 13-48 Type 22 Class 2	02	-
8J	2	3	-	5	-	-	BMS 13-51 Type XV Class 1	01	Blue, Shielded
8K	-	-	4	-	6	7	BMS 13-48 Type 24 Class 2	02	Shielded
8K	2	3	-	5	-	-	BMS 13-51 Type XV Class 2	02	Blue, Shielded
8L	-	-	-	-	6	-	0024A0014, Raychem	02	Shielded, 100 ohm
8L	2	3	-	5	-	-	BMS 13-51 Type XV Class 3	03	Blue, Shielded
8M	2	3	-	5	-	-	BMS 13-51 Type XV Class 4	04	Blue, Shielded
8M	-	-	-	-	6	-	BMS 13-51 Type XXVII Class 4	04	Shielded
8N	-	-	-	-	6	-	44A7434-22-9/5, Raychem	02	Al-Ch, Thermocouple
8P	-	-	4	-	6	7	44A7620-22-9/5-9, Raychem	02	Shielded, Al-Ch, Thermocouple
8P	2	3	-	5	-	-	BMS 13-51 Type XVIII Class 2	02	Blue, Shielded
8Q	2	3	-	5	-	-	BMS 13-16 Type I Class 1	01	Blue
8Q	-	-	4	-	6	7	BMS 13-48 Type 12 Class 1	01	Yellow, Shielded
8R	2	3	-	5	-	-	BMS 13-16 Type III Class 1	01	Blue, Shielded
8R	-	-	4	-	6	7	BMS 13-48 Type 22 Class 1	01	-
8S	-	3	-	5	-	-	BMS 13-16 Type III Class 2	02	Blue, Shielded
8S	-	-	4	-	6	7	BMS 13-48 Type 22 Class 1	01	White/Red
8T	-	-	-	-	6	-	BMS 13-51 Type XXVI Class 1	01	Yellow
8U	-	3	-	5	6	-	S280T007-1	06	Retractable Cable
8V	-	-	4	-	6	-	5021K1011, Raychem	01	Coax
8W	-	-	4	-	6	-	5012H3012, Raychem	01	Coax
8X	-	-	-	-	6	-	55A6087-20, Raychem	01	Coax, Round Conductor Shields, Not Adjacent
8Y	-	-	4	-	6	-	55A6090-20, Raychem	05	Shielded
8Z	-	-	-	-	6	-	55A6088-20-9, Raychem	15	Shielded
90	2	3	4	-	-	-	BMS 13-28 Type III Class 2	02	Shielded, High Temperature

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
91	2	3	4	-	-	-	BMS 13-28 Type III Class 3	03	Shielded, High Temperature
92	2	3	-	-	-	-	RSS-5-191, MIL-W-7139	01	Coax, High Temperature
93	-	-	4	-	6	-	10-60875-4	01	Fuel Quantity, Shielded
93	2	3	-	-	-	-	421-176, Amphenol	01	Coax
94	2	3	-	5	-	-	5020G3442, Raychem	01	Coax
95	2	3	-	-	-	-	BMS 13-30 Type III Class 1	01	Shielded
96	2	3	-	-	-	-	BMS 13-30 Type III Class 2	02	Shielded
97	2	3	-	-	-	-	BMS 13-30 Type III Class 3	03	Shielded
98	-	-	-	-	6	-	10-60875-8	01	Fuel Quantity, Shielded
98	2	3	-	-	-	-	BMS 13-30 Type III Class 4	04	-
99	2	3	-	-	-	-	852-4991972, Specialty Cable	02	Al-Ch, Thermocouple
9A	-	-	-	-	6	-	51-04751, Champlain	36	Shielded
9A	-	3	-	-	-	-	M22759/16-()-9, MIL-W-22759	01	-
9B	-	-	4	-	-	-	BMS 13-55 Type 1 Class 1	01	Fire Resistant
9B	-	3	-	-	-	-	M27500-()TG2U00, MIL-W-22759/16, MIL-W-27500	02	-
9C	-	-	-	-	6	-	55A6160-20, Raychem	02	Round Conductor Shields, Not Adjacent
9C	-	3	-	-	-	-	M27500-()TG3U00, MIL-W-22759/16, MIL-W-27500	03	-
9D	-	-	4	-	6	-	61-02651, Champlain	02	High Temperature, Round Conductor Shields, Not Adjacent
9D	-	3	-	-	-	-	M27500-()TG4U00, MIL-W-22759/16, MIL-W-27500	04	-
9E	-	-	4	-	6	-	BMS 13-31 Type VII Class 4	04	Shielded, High Temperature
9E	-	3	-	-	-	-	M27500-()SB1T14, MIL-W-22759/32, MIL-C-27500	01	Shielded, Replaced M27500-()TG1T14 for AWG 22 - AWG 12
9E	-	3	-	-	-	-	M27500-()TG1T14, MIL-C-27500	01	Shielded, Replaced by M27500-()SB1T14 or M27500-24ST1T14
9E	-	3	-	-	-	-	M27500-24ST1T14, MIL-W-22759/46, MIL-C-27500	01	Shielded, Replaced M27500-24TG1T14
9F	-	-	4	-	6	-	30-04680, Champlain	09	Shielded

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
9F	-	3	-	-	-	-	M27500-()SB2T14, MIL-W-22759/32, MIL-C-27500	02	Shielded, Replaced M27500-()TG2T14 for AWG 22 - AWG 12
9F	-	3	-	-	-	7	M27500-()TG2T14, MIL-C-27500	02	Shielded, Replaced by M27500-()SB2T14 or M27500-24ST2T14
9F	-	3	-	-	-	-	M27500-24ST2T14, MIL-W-22759/46, MIL-C-27500	02	Shielded, Replaced M27500-24TG2T14
9G	-	-	-	-	6	-	831-4245379, Pirelli	02	Shielded, 100 ohm Balanced Line
9G	-	3	-	-	-	-	M27500-()SB3T14, MIL-W-22759/32, MIL-C-27500	03	Shielded, Replaced M27500-()TG3T14 for AWG 22 - AWG 12
9G	-	3	-	-	-	-	M27500-()TG3T14, MIL-C-27500	03	Shielded, Replaced by M27500-()SB3T14 or M27500-24ST3T14
9G	-	3	-	-	-	-	M27500-24ST3T14, MIL-W-22759/46, MIL-C-27500	03	Shielded, Replaced M27500-24TG3T14
9H	-	-	4	-	6	-	831-4245270, Pirelli	02	Shielded, 100 ohm Balanced Line
9H	-	3	-	-	-	-	M27500-()SB4T14, MIL-W-22759/32, MIL-C-27500	04	Shielded, Replaced M27500-()TG4T14 for AWG 22 - AWG 12
9H	-	3	-	-	-	-	M27500-()TG4T14, MIL-C-27500	04	Shielded, Replaced by M27500-()SB4T14 or M27500-24ST4T14
9H	-	3	-	-	-	-	M27500-24ST4T14, MIL-W-22759/46, MIL-C-27500	04	Shielded, Replaced M27500-()TG4T14
9J	-	-	4	-	-	-	55A6645-20, Raychem	02	Round Conductor Shields, Not Adjacent
9K	-	-	4	-	6	-	61-02783, Champlain	03	High Temperature, Round Conductor Shields, Not Adjacent, Nickel Plated
9L	-	3	4	-	6	7	BMS 13-55 Type 4 Class 1	01	Nickel Plated Shield, Fire Resistant
9M	-	-	4	-	6	-	24-00033, Champlain	01	Red, Fire Resistant
9N	-	-	4	-	6	-	24-00034, Champlain	01	Red, Fire Resistant
9P	-	3	4	5	6	7	BMS 13-55 Type 2 Class 1	01	Fire Resistant
9Q	-	-	4	-	-	7	BMS 13-55 Type 4 Class 2	02	Nickel Plated Shield, Fire Resistant

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
9R	-	-	4	-	-	-	7724D3664, Raychem	02	Shielded
9S	-	-	4	-	-	-	3518D0611, Raychem	02	Shielded
9T	-	-	4	5	6	7	BMS 13-55 Type 4 Class 3	03	Nickel Plated Shield, Fire Resistant
9U	-	-	4	-	6	-	BMS 13-67 Type 2 Class 1	01	Nickel Plated Shield, Fire Resistant
9V	-	-	4	5	-	-	BMS 13-55 Type 1 Class 1	01	Fire Resistant
9W	2	3	-	5	-	-	BMS 13-51 Type XIV Class 1	01	White/Black
9X	-	-	4	-	6	-	85842, Filotex	01	Red, Fire Resistant
9X	2	3	-	5	-	-	BMS 13-51 Type XIV Class 1	01	White/Green
9Y	-	-	4	-	6	-	81993, Filotex	01	Fire Resistant
9Y	-	3	-	5	-	-	BMS 13-51 Type XIV Class 1	01	White/Violet
9Z	2	3	-	5	-	-	BMS 13-51 Type XIV Class 1	01	White/Orange, Shielded, High Temperature
A#	-	-	4	-	6	7	Non Boeing Specified Wire A	-	-
A6	-	3	-	-	-	-	10-60816-64	08	-
A8	-	-	-	-	6	7	557-392, Thermax	03	High Temperature
A9	-	-	-	-	-	7	08766/01147KE-3, Tensolite	03	-
AA	2	3	-	-	-	-	10-60816-1	01	Shielded, High Temperature
AB	2	3	-	-	-	-	10-60816-2	02	-
AC	2	-	-	-	-	-	10-60816-3	07	-
AD	2	3	-	-	-	-	10-60816-4	02	-
AE	2	3	-	-	-	-	10-60816-5	01	High Temperature
AF	2	3	-	-	-	-	10-60816-6	01	High Temperature
AG	2	3	-	-	-	-	10-60816-7	08	-
AH	2	3	-	-	-	-	10-60816-8	07	-
AI	2	3	-	-	-	-	10-60816-12	14	-
AJ	2	3	-	-	-	-	10-60918-1	08	Shielded
AK	2	3	-	-	-	-	10-60918-2	03	Shielded
AL	2	3	-	5	-	-	10-60816-9	05	Shielded
AM	2	3	-	-	-	-	10-60816-10	05	Shielded
AN	2	3	-	-	-	-	10-60816-11	02	Shielded

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
AO	2	3	-	5	-	-	10-60816-13	01	High Temperature
AP	2	3	-	-	-	-	10-60816-14	05	-
AQ	2	3	-	-	-	-	10-60816-15	03	-
AR	2	3	-	-	-	-	10-61299-1	04	-
AS	2	3	-	-	-	-	10-60816-17	01	High Temperature
AT	2	3	-	-	-	-	10-60816-19	05	-
AU	-	3	-	-	-	-	10-60816-20	03	-
AV	2	3	-	-	-	-	10-60816-21	03	-
AW	2	3	-	-	-	-	10-60816-22	03	-
AX	2	3	-	-	-	-	BMS 13-31 Type IV Class 4	04	High Temperature
AY	2	3	-	5	-	-	10-60816-23	01	High Temperature
AZ	2	3	-	-	-	-	BMS 13-11 Type I Class 1	01	-
B#	-	-	4	-	6	7	Non Boeing Specified Wire B	-	-
B6	-	3	4	-	-	7	BMS 13-58 Type 5 Class 1	01	High Temperature
B7	-	-	4	-	-	7	BMS 13-58 Type 5 Class 2	02	High Temperature
B8	-	-	4	-	-	7	BMS 13-58 Type 5 Class 3	03	High Temperature
B9	-	3	-	-	-	-	BMS 13-58 Type 7 Class 1	01	Nickel Plated Shield, High Temperature
BA	2	3	-	-	-	-	BMS 13-30 Type I Class 1	01	-
BB	2	3	-	-	-	-	BMS 13-30 Type I Class 2	02	-
BC	2	3	-	-	-	-	BMS 13-30 Type I Class 3	03	-
BD	2	3	-	-	-	-	BMS 13-30 Type I Class 4	04	-
BE	-	-	-	-	-	7	BMS 13-58 Type 7 Class 2	02	Nickel Plated Shield, High Temperature
BF	-	3	-	5	-	-	10-61299-6	04	Shielded
BG	-	-	4	-	6	-	BMS 13-31 Type I Class 1	01	High Temperature
BG	2	3	-	-	-	-	BMS 13-42C Type VIII Class 1	01	-
BH	-	-	4	-	6	-	BMS 13-31 Type I Class 2	02	High Temperature
BH	2	3	-	-	-	-	BMS 13-42C Type VIII Class 2	02	-
BI	-	-	4	-	-	-	BMS 13-31 Type I Class 4	04	High Temperature
BJ	2	3	-	-	-	-	BMS 13-42C Type VIII Class 3	03	-
BJ	-	-	4	-	6	7	BMS 13-58 Type 1 Class 1	01	High Temperature

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
BK	2	3	-	-	-	-	BMS 13-42C Type VIII Class 4	04	-
BL	2	3	-	5	-	-	BMS 13-28 Type IV Class 4	04	High Temperature
BM	-	3	-	-	-	-	BMS 13-10 Type 4 Class 6	06	-
BN	-	3	-	-	-	-	BMS 13-10 Type 4 Class 4	04	-
BO	2	3	-	-	-	-	10-60816-24	03	-
BP	2	3	-	-	-	-	10-61299-2	04	Shielded
BQ	2	3	-	-	-	-	10-60918-3	03	Shielded
BR	-	-	4	5	6	-	5021K1011, Raychem	01	Coax
BS	-	3	4	5	6	-	5012H3012, Raychem	01	Coax
BT	2	3	-	-	-	-	10-61299-4	04	-
BU	-	3	-	5	-	-	10-61299-5	04	Shielded
BV	-	-	4	5	6	-	977-295, Thermax	02	100 ohm
BW	-	3	-	5	6	-	831-4245379, Specialty Cable	01	100 ohm
BX	-	-	-	5	6	-	5026A1314-9, Raychem	01	Coax
BY	-	3	-	-	-	-	10-61299-7	05	-
BZ	-	-	-	-	-	7	BMS 13-58 Type 7 Class 3	03	Nickel Plated Shield, High Temperature
C#	-	-	4	-	6	7	Non Boeing Specified Wire C	-	-
C0	-	-	-	-	-	7	BMS 13-58 Type 7 Class 4	04	Nickel Plated Shield, High Temperature
C1	-	3	-	-	-	-	TLS-200-1SJ-20NA, Tensolite	01	Shielded, Low Impedance
C2	-	3	-	-	-	-	TLS-200-1DSJ-20NA, Tensolite	01	Shielded, High Impedance
C3	-	3	-	-	-	-	TLS-200-2SJ-20NA, Tensolite	02	Silver Shield
C4	-	3	-	-	-	-	TLS-200-4SJ-20NA, Tensolite	04	Silver Shield
C5	-	-	-	-	-	7	BMS 13-58 Type 7 Class 1	01	Red, Nickel Plated Shield, High Temperature
C6	-	-	-	-	6	7	BMS 13-55 Type 1 Class 1	01	White, Fire Resistant
C7	-	-	4	-	6	-	BMS 13-55 Type 1 Class 2	02	High Temperature
C8	-	-	-	-	6	-	BMS 13-55 Type 3 Class 1	01	White, Nickel Plated Shield, High Temperature
C9	-	3	-	-	6	7	BMS 13-55 Type 3 Class 2	02	White, Nickel Plated Shield, High Temperature
CA	2	3	-	-	-	-	BMS 13-30 Type III Class 1	01	Shielded

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
CB	2	3	-	-	-	-	BMS 13-30 Type III Class 2	02	Shielded
CC	2	3	-	-	-	-	BMS 13-30 Type III Class 3	03	Shielded
CD	2	3	-	-	-	-	BMS 13-30 Type III Class 4	04	Shielded
CE	-	-	-	-	-	7	BMS 13-58 Type 5 Class 1	01	Red, High Temperature
CF	-	3	4	-	-	-	BMS 13-58 Type 5 Class 4	04	High Temperature
CG	2	3	-	-	-	-	BMS 13-42C Type XII Class 1	01	Shielded
CH	-	-	4	-	-	-	BMS 13-31 Type III Class 2	02	Shielded, High Temperature
CH	2	3	-	-	-	-	BMS 13-42C Type XII Class 2	02	Shielded
CJ	-	-	4	-	-	-	BMS 13-31 Type III Class 3	03	Shielded, High Temperature
CJ	2	3	-	-	-	-	BMS 13-42C Type XII Class 3	03	Shielded
CK	-	-	4	-	-	-	61-02384, Champlain	02	Shielded, High Temperature
CK	2	3	-	-	-	-	BMS 13-42C Type XII Class 4	04	Shielded
CL	-	-	4	-	-	-	M27500-20RE2N12, MIL-W-22759/12-20, MIL-C-27500	02	Shielded, High Temperature
CM	-	-	4	-	6	-	61-02786, Champlain	01	Shielded, High Temperature
CN	2	3	-	5	-	-	BMS 13-16 Type III Class 1	01	Shielded
CP	2	3	-	5	-	-	BMS 13-16 Type III Class 2	02	Shielded
CQ	2	3	4	5	6	7	BMS 13-58 Type 1 Class 1	01	High Temperature
CR	2	3	-	-	-	-	BMS 13-16 Type III Class 3	03	Shielded
CS	2	3	-	-	-	-	BMS 13-16 Type III Class 4	04	Shielded
CT	2	3	-	-	-	-	10-60816-16	26	Shielded
CU	2	3	4	5	-	-	BMS 13-31 Type IV Class 3	03	High Temperature
CV	2	3	-	-	-	-	MT-LN205/A, Vibro-Meter	02	Shielded, High Temperature
CW	-	3	-	5	-	-	691-295, Thermax	01	Coax
CW	-	-	4	-	6	-	72016, Thermax	02	Two Shields, High Temperature
CX	-	-	4	-	-	-	MIL-C-17/169-00001, (RG-196)	01	Coax
CY	-	3	-	-	-	-	MIL-C-17/157, (RG-122)	01	Coax
CZ	-	3	-	-	-	-	MIL-C-17/86, (RG-225)	01	Coax
D#	-	-	4	-	-	-	18480/9K105X-4(LD), Tensolite	04	105 ohm, Adjacent Round Conductor Shields
D0	-	-	-	-	6	7	55PC6000-20, Raychem	02	Round Conductor Shields, Not Adjacent

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Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
D1	-	-	-	-	-	7	55PC6001-20, Raychem	03	Round Conductor Shields, Not Adjacent
D2	-	-	-	-	6	7	550-292, Thermax	02	High Temperature, Round Conductor Shields, Not Adjacent
D3	-	-	-	-	6	7	551-292, Thermax	03	High Temperature, Round Conductor Shields, Not Adjacent
D4	-	-	-	-	-	7	552-292, Thermax	02	High Temperature, Round Conductor Shields, Not Adjacent
D5	-	-	-	-	-	7	55PC6024-20, Raychem	4	Round Conductor Shields, Not Adjacent
D6	-	-	-	5	-	7	55PC6021-20, Raychem	02	Adjacent Round Conductor Shields
D7	-	-	-	5	-	7	55PC6022-20, Raychem	03	Adjacent Round Conductor Shields
D8	-	-	-	-	-	7	55PC6023-20, Raychem	04	Adjacent Round Conductor Shields
D9	-	-	-	-	-	7	JW647-99, Judd	2	HI-FLEX, Adjacent Round Conductor Shields
DA	-	3	-	-	-	-	MIL-C-17/45, (RG-108A)	01	Twinnax
DB	-	3	-	-	-	-	14401, ITT	02	Shielded
DC	-	3	-	5	-	-	BMS 13-48 Type 1 Class 1	01	-
DD	-	3	-	-	-	-	BMS 13-48 Type 1 Class 2	02	-
DE	2	3	-	-	-	-	BMS 13-48 Type 1 Class 3	03	-
DF	-	3	-	-	-	-	BMS 13-48 Type 1 Class 4	04	-
DG	-	3	-	-	-	-	BMS 13-48 Type 3 Class 1	01	Shielded
DH	-	3	-	-	-	-	BMS 13-48 Type 3 Class 2	02	Shielded
DJ	2	3	-	-	-	-	BMS 13-48 Type 3 Class 3	03	Shielded
DK	-	3	-	-	-	-	BMS 13-48 Type 3 Class 4	04	Shielded
DL	-	3	-	-	-	-	BMS 13-48 Type 4 Class 2	02	-
DM	-	3	-	-	-	-	BMS 13-48 Type 4 Class 3	03	-
DN	-	3	-	-	-	-	BMS 13-48 Type 4 Class 4	04	-
DP	2	3	-	-	-	-	MIL-C-17/95, (RG-195A)	01	Coax
DQ	2	3	-	-	-	-	MIL-C-17/97, (RG-210)	01	Coax

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Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
DR	2	3	-	-	-	-	BMS 13-16 Type III Class 7	07	Shielded
DS	2	3	-	-	-	-	BMS 13-16 Type III Class 14	14	Shielded
DT	-	3	-	5	-	-	CTC-0039-20-9/5-9, Raychem	02	Al-Ch, Thermocouple
DU	-	3	4	5	6	7	CTC-0039-()-9/5-9, Raychem	02	Al-Ch, Thermocouple
DV	-	3	-	-	-	-	157167, Prestolite	01	High Voltage
DW	2	3	-	-	-	-	853-4221172, Pirelli	02	Al-Ch, Thermocouple
DX	-	3	-	5	-	-	44A7434, Raychem	02	Al-Ch, Thermocouple
DY	2	3	-	-	-	-	7484444-2-22, Douglas	02	Shielded, High Temperature
DZ	2	3	-	-	-	-	7616964B24, Douglas	01	-
E#	-	-	4	-	6	-	Non Boeing Specified Wire E	-	-
E0	-	-	4	-	-	7	BMS 13-55 Type 3 Class 2	02	Nickel Plated Shield, Fire Resistant
E1	-	-	4	-	-	-	BMS 13-55 Type 3 Class 3	03	Nickel Plated Shield, Fire Resistant
E2	-	-	-	5	-	-	BMS 13-16 Type III Class 2	02	Shielded
E3	-	-	4	-	-	7	5026N5611, Raychem	03	50 ohm Triax, Shielded
E4	-	3	4	-	-	-	BMS 13-60 Type 20 Class 1	01	Nickel Plated Shield, High Temperature
E5	-	3	4	-	-	-	BMS 13-60 Type 20 Class 2	02	Nickel Plated Shield, High Temperature
E6	-	3	4	-	-	-	BMS 13-60 Type 20 Class 3	03	Nickel Plated Shield, High Temperature
E7	2	3	4	-	6	-	BMS 13-60 Type 20 Class 4	04	Nickel Plated Shield, High Temperature
E8	-	-	4	-	-	-	BMS 13-60 Type 20 Class 1	01	Nickel Plated Shield, High Temperature, Yellow Jacket
E9	-	-	4	-	-	-	BMS 13-60 Type 20 Class 2	02	Nickel Plated Shield, High Temperature, Yellow Jacket
EA	2	3	-	5	-	-	BMS 13-31 Type I Class 1	01	High Temperature
EB	2	3	-	5	-	-	BMS 13-31 Type I Class 2	02	High Temperature
EC	2	3	4	5	6	-	BMS 13-31 Type I Class 3	03	High Temperature
ED	2	3	-	5	-	-	BMS 13-31 Type I Class 4	04	High Temperature
EE	2	3	4	5	6	-	BMS 13-31 Type III Class 1	01	Shielded, High Temperature
EF	2	3	-	5	-	-	BMS 13-31 Type III Class 2	02	Shielded, High Temperature

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
EG	2	3	-	5	-	-	BMS 13-31 Type III Class 3	03	Shielded, High Temperature
EH	2	3	-	5	-	-	BMS 13-31 Type III Class 4	04	Shielded, High Temperature
EJ	2	3	-	5	-	-	BMS 13-51 Type I Class 1	01	High Temperature
EK	2	3	-	-	-	-	BMS 13-51 Type I Class 2	02	High Temperature
EL	2	3	-	-	-	-	BMS 13-51 Type I Class 3	03	High Temperature
EM	2	3	-	-	-	-	BMS 13-51 Type I Class 4	04	High Temperature
EN	2	3	-	-	-	-	BMS 13-51 Type III Class 1	01	Shielded, High Temperature
EP	2	3	-	-	-	-	BMS 13-51 Type III Class 2	02	Shielded, High Temperature
EQ	2	3	-	-	-	-	BMS 13-51 Type III Class 3	03	Shielded, High Temperature
ER	2	3	-	-	-	-	BMS 13-51 Type III Class 4	04	Shielded, High Temperature
ES	2	3	-	-	-	-	MIL-W-16878, Sundstrand 704-0785	02	High Temperature
ET	2	3	-	-	-	-	MIL-W-16878, Sundstrand 704-0785	02	Shielded, High Temperature
EU	2	3	-	-	-	-	MIL-W-16878, Sundstrand 704-0785	01	High Temperature
EV	2	3	-	-	-	-	MIL-W-16878, Sundstrand 704-0785	01	Shielded, High Temperature
EW	2	3	-	5	-	-	BMS 13-29 Type III Class 2	02	Shielded, High Temperature
EX	2	3	-	5	-	-	BMS 13-31 Type IV Class 8	08	High Temperature
EY	-	-	-	5	-	-	BMS 13-29 Type I Class 2	02	High Temperature
EZ	-	3	-	5	-	-	0024A0014, Raychem	01	100 ohm Balanced Line
F#	-	3	-	-	-	-	BMS 13-60 Type 12 Class 3	03	-
F0	-	-	4	-	-	-	BMS 13-60 Type 20 Class 1	01	White/Red, Shielded
F1	-	-	4	-	-	-	VSC-A1-10-17	-	Fiber Optic Cable
F2	-	-	-	5	-	-	001-BC-100/140/160PM, Northern Lights	-	Fiber Optic
F3	-	-	-	5	-	-	001-BC-HT-100/140/160PM, Northern Lights	-	Fiber Optic
F4	-	3	4	-	6	7	Fiber Optic Cable Assembly	-	Fiber Optic Cable Assembly
F8	-	3	4	-	6	7	BMS 13-80 Type 1 Class 2	02	120 Ohm Data Bus Cable
F9	-	3	4	-	6	7	BMS 13-80 Type 2 Class 2	02	120 Ohm Data Bus Cable
FA	-	-	-	-	6	-	284T1015-1	20	Flat Cable Assembly
FA	2	3	-	5	-	-	BMS 13-31 Type V Class 1	01	High Temperature
FB	-	-	-	-	6	-	284T1015-2	20	Flat Cable Assembly
FB	2	3	-	5	-	-	BMS 13-31 Type V Class 2	02	High Temperature

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
FC	2	3	-	5	-	-	BMS 13-31 Type V Class 3	03	High Temperature
FD	-	3	-	5	-	-	BMS 13-31 Type V Class 4	04	High Temperature
FE	2	3	-	5	-	-	BMS 13-31 Type VII Class 1	01	Shielded, High Temperature
FF	2	3	-	5	-	-	BMS 13-31 Type VII Class 2	02	Shielded, High Temperature
FG	2	3	-	5	-	-	BMS 13-31 Type VII Class 3	03	Shielded, High Temperature
FH	2	3	-	5	-	-	BMS 13-31 Type VII Class 4	04	Shielded, High Temperature
FJ	-	-	4	-	-	-	BMS 13-31 Type VII Class 1	01	Red, Shielded, High Temperature
FK	-	-	-	5	-	-	BMS 13-31 Type IV Class 2	02	High Temperature
FL	-	-	4	5	6	-	61-02651, Champlain	02	High Temperature, Round Conductor Shields, Not Adjacent
FM	-	3	-	-	-	-	BMS 13-48 Type 16 Class 1	01	-
FN	-	3	-	5	-	-	BMS 13-48 Type 12 Class 2	02	-
FP	-	3	-	-	-	-	BMS 13-48 Type 12 Class 3	03	Shielded
FR	-	3	-	5	-	-	BMS 13-48 Type 12 Class 1	01	Shielded
FS	-	3	4	5	6	7	BMS 13-72 Type 3 Class 4	04	Databus
FT	-	3	4	5	6	7	BMS 13-72 Type 4 Class 4	04	Databus
FU	-	3	4	5	6	7	BMS 13-72 Type 7 Class 2	02	Databus
FV	2	3	-	5	-	-	BMS 13-31 Type V Class 1	01	Red, High Temperature
FW	-	-	-	5	-	-	BMS 13-31 Type V Class 1	01	Yellow, High Temperature
FX	2	3	-	5	-	-	BMS 13-31 Type VIII Class 8	08	High Temperature
FY	-	3	4	5	6	7	BMS 13-72 Type 8 Class 2	02	Databus
G1	-	3	-	5	-	-	BMS 13-60 Type 15 Class 1	01	Shielded, Do Not Solder AWG 24
G2	-	3	-	5	-	-	BMS 13-60 Type 15 Class 2	02	Shielded, Do Not Solder AWG 24
G3	-	3	-	5	-	-	BMS 13-60 Type 15 Class 3	03	Shielded, Do Not Solder AWG 24
G4	-	3	-	5	-	-	BMS 13-60 Type 15 Class 4	04	Shielded, Do Not Solder AWG 24
G5	-	3	-	-	-	-	BMS 13-60 Type 44 Class 1	01	-
G6	-	3	-	-	-	-	BMS 13-60 Type 45 Class 1	01	-
G7	-	-	-	5	-	-	BMS 13-60 Type 2 Class 1	01	Yellow, Shielded

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
GA	-	3	-	5	-	-	BMS 13-60 Type 1 Class 1	01	-
GB	-	3	-	5	-	-	BMS 13-60 Type 1 Class 2	02	-
GC	-	3	-	5	-	-	BMS 13-60 Type 1 Class 3	03	-
GD	-	3	-	5	-	-	BMS 13-60 Type 1 Class 4	04	-
GE	-	3	-	5	-	-	BMS 13-60 Type 2 Class 1	01	Shielded
GF	-	3	-	5	-	-	BMS 13-60 Type 2 Class 2	02	Shielded
GG	-	3	-	5	-	-	BMS 13-60 Type 2 Class 3	03	Shielded
GH	-	-	-	5	-	-	BMS 13-60 Type 2 Class 4	04	Shielded
GJ	-	3	-	5	-	-	BMS 13-60 Type 3 Class 6	06	-
GJ	-	3	-	5	-	-	BMS 13-60 Type 3 Class 6	6	-
GK	-	3	-	5	-	-	BMS 13-60 Type 4 Class 1	01	High Temperature, Do Not Solder AWG 24
GL	-	3	-	5	-	-	BMS 13-60 Type 4 Class 2	02	Do Not Solder AWG 24
GM	-	3	-	5	-	-	BMS 13-60 Type 4 Class 3	03	Do Not Solder AWG 24
GN	-	3	-	5	-	-	BMS 13-60 Type 4 Class 4	04	Do Not Solder AWG 24
GP	-	-	-	5	-	7	BMS 13-60 Type 5 Class 1	01	Shielded, Do Not Solder AWG 24
GQ	-	3	-	5	-	7	BMS 13-60 Type 5 Class 2	02	Shielded, Do Not Solder AWG 24
GR	-	3	-	5	-	7	BMS 13-60 Type 5 Class 3	03	Shielded, Do Not Solder AWG 24
GS	-	-	-	5	-	7	BMS 13-60 Type 5 Class 4	04	Shielded, Do Not Solder AWG 24
GT	-	3	-	5	-	-	BMS 13-60 Type 13 Class 1	01	Shielded
GU	-	3	-	5	-	-	BMS 13-60 Type 13 Class 2	02	Shielded
GV	-	3	-	5	-	-	BMS 13-60 Type 13 Class 3	03	Shielded
GW	-	3	-	5	-	-	BMS 13-60 Type 13 Class 4	04	Shielded
GY	-	3	4	5	-	7	BMS 13-60 Type 13 Class 1	01	White/Black
H0	-	3	-	-	-	-	BMS 13-60 Type 2 Class 1	01	Red, Shielded
H1	-	-	-	5	-	-	BMS 13-60 Type 13 Class 1	01	Blue, Shielded
H2	-	-	-	5	-	-	BMS 13-60 Type 13 Class 2	02	Blue, Shielded
H3	-	-	-	5	-	-	BMS 13-60 Type 13 Class 3	03	Blue, Shielded
H4	-	-	-	5	-	-	BMS 13-60 Type 13 Class 4	04	Blue, Shielded

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
H5	-	-	-	5	-	-	BMS 13-60 Type 13 Class 2	02	Yellow, Shielded
H6	-	-	-	5	-	-	BMS 13-60 Type 15 Class 1	01	Blue, Shielded, Do Not Solder AWG 24
H7	-	-	-	5	-	-	BMS 13-60 Type 15 Class 2	02	Blue, Shielded, Do Not Solder AWG 24
H8	-	3	-	-	-	-	BMS 13-60 Type 13 Class 1	01	Red, Shielded
H9	-	3	4	-	-	7	BMS 13-60 Type 11 Class 1	01	White/Red, Nickel Plated Shield, High Temperature
HA	-	3	4	5	6	7	BMS 13-60 Type 7 Class 1	01	High Temperature, Do Not Solder AWG 24
HB	-	3	4	5	6	-	BMS 13-60 Type 7 Class 2	02	High Temperature, Do Not Solder AWG 24
HC	-	3	4	5	6	7	BMS 13-60 Type 7 Class 3	03	High Temperature, Do Not Solder AWG 24
HD	-	3	4	5	-	-	BMS 13-60 Type 7 Class 4	04	High Temperature, Do Not Solder AWG 24
HE	-	3	4	5	6	7	BMS 13-60 Type 8 Class 1	01	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24
HF	-	3	4	5	6	7	BMS 13-60 Type 8 Class 2	02	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24
HG	-	3	4	5	-	-	BMS 13-60 Type 8 Class 3	03	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24
HH	-	3	4	-	6	-	BMS 13-60 Type 9 Class 3	03	High Temperature, Do Not Solder AWG 24
HJ	-	3	-	-	-	-	BMS 13-60 Type 9 Class 8	08	High Temperature, Do Not Solder AWG 24
HK	-	3	-	5	-	-	BMS 13-60 Type 8 Class 4	04	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24
HL	-	3	4	5	6	7	BMS 13-60 Type 10 Class 1	01	High Temperature, Do Not Solder AWG 24
HM	-	3	4	5	6	7	BMS 13-60 Type 10 Class 2	02	High Temperature, Do Not Solder AWG 24
HN	-	3	4	5	6	7	BMS 13-60 Type 10 Class 3	03	High Temperature, Do Not Solder AWG 24

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
HP	-	3	4	5	6	7	BMS 13-60 Type 11 Class 1	01	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24
HQ	-	3	4	5	6	7	BMS 13-60 Type 11 Class 2	02	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24
HR	-	3	4	5	6	7	BMS 13-60 Type 11 Class 3	03	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24
HS	-	3	4	5	6	7	BMS 13-60 Type 11 Class 4	04	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24
HT	-	-	4	5	6	7	BMS 13-60 Type 10 Class 4	04	High Temperature, Do Not Solder AWG 24
HU	-	3	-	-	-	-	BMS 13-60 Type 12 Class 8	08	High Temperature, Do Not Solder AWG 24
HV	-	-	-	5	-	-	BMS 13-60 Type 24 Class 7	07	Shielded
HW	-	3	4	-	-	-	BMS 13-60 Type 25 Class 1	01	High Temperature, Adjacent Round Conductor Shields
HX	-	3	4	5	-	-	BMS 13-60 Type 25 Class 2	02	High Temperature, Adjacent Round Conductor Shields
HY	-	3	4	-	-	-	BMS 13-60 Type 25 Class 3	03	High Temperature, Adjacent Round Conductor Shields
HZ	-	3	-	-	-	-	BMS 13-60 Type 25 Class 4	04	Two Shields, High Temperature
JA	-	-	4	-	-	-	MIL-DTL-17/128, (RG-400)	01	Coax
JB	-	3	4	5	6	7	MIL-C-17/127, (RG-393)	01	Coax
JJ	-	3	-	-	-	-	D3-7619-5/935, M81044/12-22	5	Shielded
JT	-	-	4	-	6	-	MIL-C-17/94, (RG-179)	01	Coax
JU	-	3	-	-	-	-	MIL-C-17/93, (RG-178B)	01	Coax
JZ	-	-	4	-	6	-	204-15578-1	01	Coax
K1	2	3	-	5	-	-	4/0591/31886PT-1	01	High Temperature, AWG 4/0
KB	-	3	-	-	-	-	M25038/1-12-2, MIL-W-25038	01	Red, Fire Resistant
KH	-	3	-	-	-	-	M5846-1E2/(), MIL-W-5486	02	Shielded, Thermocouple
LE	-	-	4	-	-	-	M27500-()ML1T08, MIL-W-81044/12, MIL-C-27500	01	-
LH	-	-	4	-	-	-	M27500-()ML2T08, MIL-W-81044/12, MIL-C-27500	02	-

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
LL	-	-	4	-	-	-	M27500-()ML3T08, MIL-W-81044/12, MIL-C-27500	03	-
M1	-	3	4	5	6	-	BMS 13-60 Type 27 Class 1	01	High Temperature, Round Conductor Shields, Not Adjacent
M2	-	3	4	-	-	-	BMS 13-60 Type 27 Class 2	02	High Temperature, Round Conductor Shields, Not Adjacent
M3	-	3	4	-	-	-	BMS 13-60 Type 27 Class 3	03	High Temperature, Round Conductor Shields, Not Adjacent
M4	-	3	-	-	-	-	BMS 13-60 Type 26 Class 1	01	Two Flat Conductor Shields
M5	-	3	-	5	-	-	BMS 13-60 Type 26 Class 2	02	Flat Conductor Shields, Not Adjacent
M6	-	3	-	-	-	-	BMS 13-60 Type 26 Class 3	03	Flat Conductor Shields, Not Adjacent
MA	2	3	-	-	-	-	PMA-11, Lewis	11	Al-Ch, Thermocouple
MB	2	3	-	5	-	-	10-60816-31	01	High Temperature
MC	-	3	-	-	-	-	10-60816-32	01	High Temperature
MD	-	3	-	-	-	-	10-60816-30	01	Shielded
ME	-	3	-	-	-	-	10-60816-33	01	Shielded, High Temperature
MF	-	3	-	-	-	-	10-60816-34	01	High Temperature
MG	-	3	-	-	-	-	10-60816-38	02	-
MH	-	3	-	-	-	-	10-60816-39	08	-
MJ	-	3	-	-	-	-	10-60816-40	07	-
MK	-	3	-	-	-	-	10-60816-43	02	Shielded
ML	-	3	-	-	-	-	10-60816-45	03	-
MM	-	3	-	-	-	-	10-60816-46	26	Shielded
MN	-	3	-	-	-	-	10-60816-47	05	-
MP	-	3	-	-	-	-	10-60816-49	03	-
MQ	-	3	-	-	-	-	10-60816-50	03	-
MR	-	3	-	-	-	-	10-60816-52	06	-
MS	-	3	-	-	-	-	10-60816-53	26	-
MT	-	3	-	-	-	-	10-60816-55	03	-
MU	-	3	-	-	-	-	10-60233-9	03	-

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
MV	-	3	-	-	-	-	10-60233-10	03	-
MW	-	3	-	-	-	-	10-60816-36	02	-
MX	2	3	-	-	-	-	10-60816-56	01	High Temperature
MZ	-	3	-	-	-	-	10-60816-58	03	-
N0	-	3	-	-	-	-	BMS 13-60 Type 33 Class 2	02	Yellow, Flat Conductor Shield
N1	-	3	-	5	-	-	BMS 13-60 Type 33 Class 1	01	Flat Conductor Shield
N2	-	3	-	5	-	-	BMS 13-60 Type 33 Class 2	02	Flat Conductor Shield
N3	-	3	-	5	-	-	BMS 13-60 Type 33 Class 3	03	Flat Conductor Shield
N4	-	3	-	5	-	-	BMS 13-60 Type 33 Class 4	04	Flat Conductor Shield
N5	-	3	-	5	-	-	BMS 13-60 Type 34 Class 1	01	Flat Conductor Shield
N6	-	3	-	5	-	-	BMS 13-60 Type 34 Class 2	02	Flat Conductor Shield
N7	-	3	-	5	-	-	BMS 13-60 Type 34 Class 3	03	Flat Conductor Shield
N8	-	3	-	5	-	-	BMS 13-60 Type 34 Class 4	04	Flat Conductor Shield
N9	-	3	-	-	-	-	BMS 13-60 Type 33 Class 1	01	White/Red, Flat Conductor Shield
NJ	-	3	-	-	-	-	MIL-C-17/113,)RG-316	1	Coax
P0	-	-	-	-	-	7	BMS 13-48 Type 26 Class 2	02	Yellow, Shielded
P1	-	-	-	-	-	7	BMS 13-48 Type 26 Class 3	03	Yellow, Shielded
P2	-	-	4	-	-	7	BMS 13-48 Type 25 Class 2	02	Yellow, Shielded
P3	-	-	4	-	-	7	BMS 13-48 Type 25 Class 3	03	Yellow, Shielded
P4	-	-	4	-	6	-	BMS 13-48 Type 3 Class 2	02	Yellow, Shielded
P5	-	-	4	-	6	-	BMS 13-48 Type 3 Class 1	01	Yellow, Shielded
P6	-	-	4	-	6	-	BMS 13-48 Type 6 Class 5	05	Shielded
P7	-	-	-	-	6	-	S280T004-1	38	Audio Selector Cable
PA	2	3	4	5	6	7	BMS 13-48 Type 10 Class 1	01	-
PB	-	3	4	5	6	7	BMS 13-48 Type 10 Class 2	02	-
PC	-	3	4	5	6	7	BMS 13-48 Type 10 Class 3	03	-
PD	-	3	4	5	6	7	BMS 13-48 Type 10 Class 4	04	-
PE	-	-	4	-	6	-	BMS 13-48 Type 10 Class 5	05	-
PF	-	-	4	-	6	-	BMS 13-48 Type 10 Class 6	06	-
PG	-	-	4	-	6	-	BMS 13-48 Type 10 Class 7	07	-
PH	-	3	4	5	6	7	BMS 13-48 Type 10 Class 1	01	White/Red

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
PJ	-	-	4	-	6	7	BMS 13-48 Type 10 Class 1	01	Yellow
PK	-	3	4	5	6	7	BMS 13-48 Type 11 Class 1	01	-
PL	-	3	4	5	6	7	BMS 13-48 Type 11 Class 2	02	-
PM	-	3	4	5	6	7	BMS 13-48 Type 11 Class 3	03	-
PN	-	3	4	5	6	7	BMS 13-48 Type 11 Class 4	04	-
PP	-	-	4	-	6	7	BMS 13-48 Type 11 Class 1	01	White/Red
PQ	-	3	4	5	6	7	BMS 13-48 Type 3 Class 1	01	Shielded
PR	-	3	4	5	6	-	BMS 13-48 Type 3 Class 2	02	Shielded
PS	-	3	4	5	6	7	BMS 13-48 Type 3 Class 3	03	Shielded
PT	-	3	4	5	6	-	BMS 13-48 Type 3 Class 4	04	Shielded
PU	-	-	4	-	6	-	BMS 13-48 Type 3 Class 1	01	White/Red, Shielded
PV	-	-	4	-	6	-	BMS 13-48 Type 6 Class 1	01	Shielded
PW	-	-	4	-	6	-	BMS 13-48 Type 6 Class 2	02	Shielded
PX	-	-	4	-	6	-	BMS 13-48 Type 6 Class 3	03	Shielded
PY	-	-	4	-	6	-	BMS 13-48 Type 6 Class 4	04	Shielded
PZ	-	-	4	-	6	-	BMS 13-48 Type 6 Class 2	02	Red, Shielded
Q0	-	-	4	-	6	7	Airline Specified Wire Q0	10	Refer to WDM Introduction
Q1	-	-	4	-	6	7	Airline Specified Wire Q1	01	Refer to WDM Introduction
Q2	-	-	4	-	6	7	Airline Specified Wire Q2	02	Refer to WDM Introduction
Q3	-	-	4	-	6	7	Airline Specified Wire Q3	03	Refer to WDM Introduction
Q4	-	-	4	-	6	7	Airline Specified Wire Q4	04	Refer to WDM Introduction
Q5	-	-	4	-	6	7	Airline Specified Wire Q5	05	Refer to WDM Introduction
Q6	-	-	4	-	6	7	Airline Specified Wire Q6	06	Refer to WDM Introduction
Q7	-	-	4	-	6	7	Airline Specified Wire Q7	07	Refer to WDM Introduction
Q8	-	-	4	-	6	7	Airline Specified Wire Q8	08	Refer to WDM Introduction
Q9	-	-	4	-	6	7	Airline Specified Wire Q9	09	Refer to WDM Introduction
QA	-	3	-	5	-	-	BMS 13-60 Type 1 Class 1	01	White/Red
QB	-	3	-	5	-	-	BMS 13-60 Type 1 Class 1	01	Yellow
QC	-	3	-	-	-	-	BMS 13-60 Type 1 Class 1	01	White/Black
QD	-	3	-	-	-	-	BMS 13-60 Type 1 Class 1	01	White/Orange
QE	-	3	-	-	-	-	BMS 13-60 Type 1 Class 1	01	White/Violet

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
QF	-	3	-	-	-	-	BMS 13-60 Type 1 Class 1	01	White/Green
QG	-	-	-	5	-	-	BMS 13-60 Type 19 Class 1	01	High Temperature
QH	-	-	-	-	-	7	1/0TLA/02101E-6, Tensolite	6	Aluminum
QJ	-	-	-	5	-	-	BMS 13-60 Type 2 Class 2	02	Blue, Shielded
QK	-	-	-	5	-	-	BMS 13-60 Type 2 Class 3	03	Blue, Shielded
QL	-	-	-	5	-	-	BMS 13-60 Type 2 Class 4	04	Blue, Shielded
QN	-	-	-	5	-	-	BMS 13-60 Type 4 Class 1	01	Blue, Do Not Solder AWG 24
QS	-	-	-	5	-	-	BMS 13-60 Type 5 Class 1	01	Blue, Shielded, Do Not Solder AWG 24
QT	-	3	-	5	-	-	BMS 13-60 Type 5 Class 1	01	White/Red, Shielded, Do Not Solder AWG 24
QU	-	-	-	5	-	-	BMS 13-60 Type 5 Class 2	02	Blue, Shielded, Do Not Solder AWG 24
QV	-	-	-	5	-	-	BMS 13-60 Type 5 Class 3	03	Blue, Shielded, Do Not Solder AWG 24
QW	-	-	-	5	-	-	BMS 13-60 Type 5 Class 3	03	White/Red, Shielded, Do Not Solder AWG 24
QX	-	-	-	5	-	-	BMS 13-60 Type 5 Class 4	04	Blue, Shielded, Do Not Solder AWG 24
QY	-	3	4	5	6	7	BMS 13-60 Type 22 Class 1	01	Aluminum
QZ	-	3	4	5	6	7	BMS 13-60 Type 10 Class 1	01	White/Red, High Temperature, Do Not Solder AWG 24
R0	-	-	-	-	-	7	BMS 13-48 Type 25 Class 1	01	Shielded
R1	-	-	-	-	-	7	BMS 13-48 Type 25 Class 2	02	Shielded
R2	-	-	-	-	-	7	BMS 13-48 Type 25 Class 3	03	Shielded
R3	-	-	4	-	-	7	BMS 13-48 Type 25 Class 4	04	Shielded
R4	-	-	-	-	-	7	BMS 13-48 Type 26 Class 1	01	Shielded
R5	-	-	-	-	6	7	BMS 13-48 Type 26 Class 2	02	Shielded
R6	-	-	-	-	-	7	BMS 13-48 Type 26 Class 3	03	Shielded
R7	-	-	-	-	-	7	BMS 13-48 Type 26 Class 4	04	Shielded
R8	-	3	-	-	-	7	BMS 13-48 Type 26 Class 5	05	Shielded
R9	-	-	4	-	-	7	BMS 13-48 Type 25 Class 1	01	Yellow, Shielded
RA	-	-	4	-	-	-	BMS 13-46 Type 3 Class 1	01	Red, Wire Wrap
RB	-	-	-	-	-	7	BMS 13-48 Type 25 Class 4	04	Yellow, Shielded

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
RC	-	-	-	-	-	7	BMS 13-48 Type 22 Class 3	03	-
RD	-	-	4	-	-	-	BMS 13-46 Type 3 Class 1	01	Wire Wrap
RE	-	-	4	-	-	-	BMS 13-46 Type 3 Class 2	02	Wire Wrap
RF	-	-	4	-	-	-	BMS 13-46 Type 3 Class 3	03	Wire Wrap
RG	-	-	4	-	-	-	BMS 13-46 Type 3 Class 4	04	Wire Wrap
RH	-	-	-	-	-	7	BMS 13-48 Type 25 Class 1	01	White/Red, Shielded
RJ	-	3	4	5	6	7	65B47866-2	02	Red, Nickel Plated Shield, High Temperature, Low Noise Cable
RK	-	3	-	-	-	-	FBTLS-260-1NJ-()NA, Tensolite	01	Shielded, High Temperature, BMS 13-60 Type 11 With Bondable Jacket
RL	-	3	-	-	-	-	FBTLS-260-2NJ-()NA, Tensolite	02	Shielded, High Temperature, BMS 13-60 Type 11 With Bondable Jacket
RM	-	3	-	-	-	-	FBTLS-260-3NJ-()NA, Tensolite	03	Shielded, High Temperature, BMS 13-60 Type 11 With Bondable Jacket
RN	-	3	-	-	-	-	FBTLS-260-()NA, Tensolite	01	High Temperature, BMS 13-60 Type 10 With Bondable Jacket
RQ	-	3	4	5	6	-	65B47866-5, Thermax	02	Low Noise, Red, High Temperature, Nickel Plated Round Conductor Shields, Not Adjacent
RS	-	-	4	-	-	-	BMS 13-46 Type 4 Class 1	01	Shielded, Wire Wrap
RT	-	-	4	-	-	-	BMS 13-46 Type 4 Class 2	02	Shielded, Wire Wrap
RW	-	-	4	-	-	-	BMS 13-46 Type 4 Class 3	03	Shielded, Wire Wrap
RX	-	-	4	-	-	-	BMS 13-46 Type 4 Class 4	04	Shielded, Wire Wrap
RZ	-	-	4	-	-	-	1008-2SJ, Thermax	02	100 ohm, Shielded, Wire Wrap
S1	2	3	-	5	-	-	BMS 13-52 Type V	-	Polyester Expando Sleeve
S2	2	3	-	5	-	-	M23053/5 Class 1 or Class 3	-	Thermofit Sleeve; for alternatives, refer to Subject 20-00-11
S3	2	3	-	5	-	-	BMS 13-52 Type IV	-	Teflon Expando Sleeve
S4	2	3	4	5	6	7	Teflon Sleeving Shirkable (M23053/12)	-	Heat Shrinkable Teflon Sleeve; for alternatives, refer to Subject 20-00-11
S5	2	3	-	5	-	-	Varglas Type HO, Varflex	-	Fiberglass Sleeve, Green

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Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
S6	-	-	-	5	-	-	Varglas Type HP, Varflex	-	Fiberglass Sleeve, Tan
S7	-	-	-	5	-	-	204-44, Bentley-Harris	-	Viton Sleeve
S8	-	3	4	5	6	7	TFE 2X Perforated, Chemplast	-	Perforated Teflon Sleeve
SA	-	-	4	-	6	7	CFT-16-0-00	-	Sleeve, Convolute Teflon
SB	-	-	4	-	-	7	Penntube I, Pennsylvania Fluorocarbon	-	Teflon Sleeve
SC	-	-	4	-	6	7	ECC-VFP-876, Electronized Chemicals	-	Heat Shrinkable Polyolefin Sleeve
SD	-	3	4	-	6	7	BMS 13-81 Type 1	-	Protection Sleeve, Green
SE	-	-	4	-	6	7	BMs 13-52 Type 5	-	Polyester Expando Sleeve
SF	-	3	4	5	6	7	BMS 13-52 Type IV	-	Teflon Expando Sleeve
SG	-	-	4	-	6	7	Gencote #125C, General Plastics	-	Fiberglass Sleeve
SH	-	3	4	5	6	7	DR-25-()-()	-	Tyco Electronics Spec RT-1116
SJ	-	3	4	5	6	7	TFE 2X, Chemplast	-	Sleeve, Standard
SK	-	-	4	-	6	7	Ben-Har 1151 FRB, Bentley-Harris	-	Fiberglass Sleeve
SL	-	-	4	-	6	7	Varglas Type HO or HP, Varflex	-	Fiberglass Sleeve, Green Or Tan
SM	-	-	-	-	-	7	TFE #3, Zeus Industrial Products	-	Perforated Teflon Sleeve, Thinwall
SP	-	3	4	5	6	7	TFE 4X, Chemplast	-	Heat Shrinkable Teflon Sleeve, Standard
SQ	-	-	4	-	6	7	TFE 2XTW, Chemplast	-	Heat Shrinkable Teflon Sleeve, Thinwall
SR	-	-	-	-	-	7	120-S001-20, Glenair	-	5/8 Convolox Tube
SS	-	3	4	5	6	7	Separation Sleeve - Internal	-	-
ST	-	3	4	5	6	7	Separation Sleeve - External	-	-
SU	-	3	4	5	6	7	Protection Sleeve	-	-
SW	-	3	4	5	6	7	Flexible Convolute Tube	-	-
SX	-	-	4	-	6	7	Varglas Type HO or HP, Varflex	-	Fiberglass Sleeve, Silver Or Gray
SY	-	-	4	-	6	7	Varglas, Varflex	-	Fiberglass Sleeve, Full Length
SZ	-	-	4	-	6	7	TFE 2X, Chemplast	-	Heat Shrinkable Teflon Sleeve
T0	-	-	-	-	-	7	EPD 52236A, Raychem	06	Power Seat Cable
T1	-	-	-	-	-	7	C42016260902, Judd	01	Shielded, 77 pf/ft

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Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
T2	-	-	-	-	-	7	C42016310902, Judd	01	Shielded, 91 pf/ft
T3	-	3	4	5	6	7	24473/9C175X-2(LD), Tensolite	02	Shielded, 120 ohm
T4	-	-	-	-	-	7	BMS 13-35 Type I Class 3	03	Aluminum
T5	-	-	-	-	-	7	S280W501-11	13	Nickel Plated Shield, Fly-By-Wire, Flaperon
T6	-	-	-	-	-	7	S280W501-12	19	Nickel Plated Shield, Fly-By-Wire, Elevator
T7	-	-	-	-	-	7	S280W501-13	13	Nickel Plated Shield, Fly-By-Wire, Aileron
T8	-	-	-	-	-	7	S280W501-14	07	Nickel Plated Shield, Fly-By-Wire, Spoiler
T9	-	-	-	-	-	7	S280W501-15	17	Nickel Plated Shield, Fly-By-Wire, Rudder
TA	-	-	4	5	6	7	CTC-0062-()-9/5-9, Raychem	02	Shielded, Al-Ch
TB	-	-	-	-	-	7	1/0766/9D032E-6, Tensolite	06	Special BMS 13-35
TC	-	-	-	-	6	-	852-4206876, Specialty Cable	02	Cn-Ch, Shielded, Thermocouple
TD	-	-	4	-	6	-	852-4206975, Specialty Cable	02	Cn-Ch, Shielded, Thermocouple
TE	-	-	4	5	6	-	852-4985321, Specialty Cable	02	Al-Ch, Shielded, High Temperature, Thermocouple
TF	-	-	-	-	6	7	55A6203-(), Raychem	02	Cn-Ch, Shielded, Thermocouple
TG	-	-	-	-	6	7	621-1292, Thermax	03	BMS13-58T1C3G8, High Temperature
TH	-	-	4	-	6	7	MIL-C-17/45, (RG-108A)	01	Twinax
TJ	-	3	-	5	-	-	BMS 13-55 Type 5 Class 1	01	Fire Resistant
TK	-	-	-	5	-	-	10-60816-61	01	Shielded, High Temperature, Fuel Quantity
TL	-	-	-	-	6	-	767-2217, Thermax	17	Pink, 2 Shields, Fuel Quantity
TM	-	3	-	5	6	-	767-227, Thermax	07	Pink, 2 Shields, Fuel Quantity
TN	-	-	-	-	6	-	767-226, Thermax	06	Pink, 2 Shields, Fuel Quantity
TP	-	-	-	-	6	-	767-222, Thermax	02	Pink, 3 Shields, Fuel Quantity
TQ	-	-	4	-	6	-	767-221, Thermax	17	Pink, 2 Shields, Fuel Quantity
TR	-	-	-	-	6	-	767-207, Thermax	07	Pink, 2 Shields, Fuel Quantity
TS	-	-	-	-	6	-	767-208, Thermax	7	FQIS Cable
TT	-	-	-	-	6	-	767-202, Thermax	02	Pink, 3 Shields, Fuel Quantity

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
TU	-	3	4	-	-	-	747-201, Thermax	02	Pink, 1 Shield, Fuel Quantity
TV	-	3	4	-	-	-	747-203, Thermax	07	Pink, 4 Shields, Fuel Quantity
TX	-	-	4	-	6	-	MIL-C-17/93, (RG-178B)	01	Coax
U1	-	-	4	-	-	-	BMS 13-60 Type 46 Class 1	01	-
U2	-	-	4	-	-	-	BMS 13-60 Type 46 Class 2	02	-
U3	-	-	4	-	-	-	BMS 13-60 Type 46 Class 3	03	-
U4	-	3	4	-	6	7	BMS 13-48 Type 12 Class 4	04	Shielded
U5	-	-	4	-	-	-	BMS 13-60 Type 46 Class 4	04	Shielded
U6	-	-	4	-	-	-	BMS 13-60 Type 46 Class 1	01	White/Red, Shielded
U7	-	-	4	-	-	-	BMS 13-60 Type 25 Class 1	01	Yellow, Double Sheilded
U8	-	-	4	-	-	-	BMS13-60 Type 25 Class 2	02	Yellow, Double Sheilded
U9	-	-	4	-	-	-	BMS 13-60 type 25 Class 3	03	Yellow, Double Sheilded
UA	2	3	-	-	-	-	BMS 13-42B Type VIII Class 1	01	-
UA	-	-	4	-	6	7	BMS 13-48 Type 8 Class 1	01	-
UB	2	3	-	-	-	-	BMS 13-42B Type VIII Class 2	02	-
UB	-	-	4	-	6	7	BMS 13-48 Type 8 Class 2	02	-
UC	2	-	-	-	-	-	BMS 13-42B Type VIII Class 3	03	-
UC	-	3	-	-	-	-	BMS 13-42B Type VIII Class 3	03	Not applicable after Line Number 1440
UC	-	3	-	-	-	-	BMS 13-48 Type 8 Class 3	03	Not applicable before Line Number 1441
UC	-	-	4	-	6	7	BMS 13-48 Type 8 Class 3	03	-
UD	2	3	-	-	-	-	BMS 13-42C Type VIII Class 1	01	-
UD	-	-	4	-	6	7	BMS 13-48 Type 8 Class 4	04	-
UE	2	3	-	-	-	-	BMS 13-42C Type VIII Class 2	02	-
UE	-	-	4	-	-	-	BMS 13-48 Type 8 Class 6	06	-
UF	2	3	-	-	-	-	BMS 13-42C Type VIII Class 3	03	-
UF	-	-	4	-	-	-	BMS 13-48 Type 1 Class 1	01	-
UG	2	3	-	-	-	-	BMS 13-42C Type VIII Class 4	04	-
UG	-	-	4	-	-	-	BMS 13-48 Type 1 Class 2	02	-
UH	-	-	4	-	-	-	BMS 13-48 Type 1 Class 3	03	-
UI	-	-	4	-	-	-	BMS 13-48 Type 13 Class 2	02	White/Red, Shielded

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
UJ	-	-	4	-	-	-	10-60875-1	02	Shielded, Fuel Quantity
UJ	2	3	-	-	-	-	BMS 13-13 Type I Class 1	01	-
UK	-	-	4	-	6	-	10-60875-2	03	Shielded, Fuel Quantity
UK	2	3	-	-	-	-	BMS 13-13 Type I Class 2	02	-
UL	-	-	4	-	-	-	10-60875-3	01	Fuel Quantity
UL	-	3	-	-	-	-	BMS 13-13 Type I Class 3	03	-
UM	2	3	-	5	-	-	BMS 13-13 Type I Class 4	04	-
UM	-	-	4	-	-	-	BMS 13-29 Type I Class 1	01	High Voltage
UN	2	3	-	5	-	-	BMS 13-48 Type 8 Class 1	01	-
UN	-	-	4	-	-	-	BMS 13-48 Type 8 Class 7	07	-
UP	-	-	4	-	-	-	10-60875-5	03	Shielded, Fuel Quantity
UP	2	3	-	-	-	-	BMS 13-11 Type V Class 1	01	Shielded
UQ	2	3	-	-	-	-	BMS 13-11 Type V Class 2	02	Shielded
UR	2	3	-	-	-	-	BMS 13-11 Type V Class 3	03	Shielded
US	2	3	-	-	-	-	BMS 13-11 Type V Class 4	04	Shielded
US	-	-	4	-	-	-	BMS 13-48 Type 8 Class 1	01	-
UT	2	3	-	5	-	-	10-60816-4	02	-
UT	-	-	4	-	-	-	10-60875-9	03	Shielded, Fuel Quantity
UU	2	3	-	-	-	-	10-60816-7	08	-
UV	2	3	-	-	-	-	10-60816-8	07	-
UW	2	3	-	5	-	-	10-60816-11	02	Shielded
UW	-	-	4	-	-	-	BMS 13-48 Type 8 Class 5	05	-
UX	2	3	-	-	-	-	10-60816-26	06	-
UY	-	3	4	5	6	7	55A8081-18-9, Raychem	02	Al-Ch, Thermocouple
UZ	-	3	4	5	6	-	852-4991980, Specialty Cable	02	Al-Ch, Thermocouple
V1	2	3	-	-	-	-	853-4310074, Specialty Cable	02	Cu-Cn, Thermocouple
V2	-	3	4	5	6	7	975-295, Thermax	09	Shielded
V3	-	3	-	-	-	-	24-00034, Champlain	01	High Temperature
V4	-	3	-	5	-	-	24-00115, Champlain	01	Red, High Temperature
V5	-	-	-	5	-	-	BMS 13-55 Type 4 Class 2	02	Shielded, Fire Resistant
V6	-	3	-	-	-	-	P606671, Axon	01	High Temperature

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Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
V7	2	3	-	5	-	-	BMS 13-48 Type 12 Class 2	02	Yellow, Shielded
V9	-	3	-	5	-	-	10-61299-8	06	Shielded
VA	-	-	4	-	6	-	BMS 13-48 Type 9 Class 1	01	-
VA	-	-	-	5	-	-	S280T004-1	38	Shielded, Audio Selector Cable
VB	-	-	4	-	6	-	BMS 13-48 Type 9 Class 2	02	-
VB	-	-	-	5	-	-	S280T006-2	07	Shielded, Spoiler Cable
VC	-	3	-	5	-	-	65B47866-2	02	Red, Shielded, High Temperature, Low Noise Cable
VC	-	-	4	-	6	-	BMS 13-48 Type 9 Class 3	03	-
VD	-	3	-	5	-	-	24-00034, Champlain	01	Red, High Temperature
VD	-	-	4	-	6	-	BMS 13-48 Type 9 Class 4	04	-
VE	-	3	-	5	-	-	S280T007-1	06	Retractable Cable
VE	-	-	-	-	6	7	Supplier Equipment Shield Ground Wire	06	-
VF	2	-	-	-	-	-	BMS 13-42B Type XII Class 1	01	Shielded
VF	-	3	-	-	-	-	BMS 13-42B Type XII Class 1	01	Shielded; not applicable after Line Number 1440
VF	-	3	-	5	-	-	BMS 13-48 Type 12 Class 1	01	Shielded; not applicable before Line Number 1441
VF	-	-	4	-	6	7	BMS 13-48 Type 12 Class 1	01	Shielded
VG	2	-	-	-	-	-	BMS 13-42B Type XII Class 2	02	Shielded
VG	-	3	-	-	-	-	BMS 13-42B Type XII Class 2	02	Shielded; not applicable after Line Number 1440
VG	-	3	-	-	-	-	BMS 13-48 Type 12 Class 2	02	Shielded; not applicable before Line Number 1441
VG	-	-	4	-	6	7	BMS 13-48 Type 12 Class 2	02	Shielded
VH	2	-	-	-	-	-	BMS 13-42C Type XII Class 1	01	Shielded
VH	-	3	-	-	-	-	BMS 13-42C Type XII Class 1	01	Shielded; not applicable after 737 Classic Line Number 1440
VH	-	3	-	5	-	-	BMS 13-48 Type 12 Class 3	03	Shielded; not applicable before 737 Classic Line Number 1441
VH	-	-	4	-	6	7	BMS 13-48 Type 12 Class 3	03	Shielded
VI	-	-	4	-	6	-	BMS 13-48 Type 12 Class 4	04	Shielded
VJ	-	-	4	-	-	-	44A1811-12-9-9, Raychem	02	-

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Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
VJ	2	3	-	-	-	-	BMS 13-42C Type XII Class 2	02	Shielded
VJ	-	-	-	-	6	-	BMS 13-48 Type 9 Class 1	01	White/Red, Shielded
VK	-	-	4	-	-	-	44A7418, Raychem	06	PSU
VK	2	3	-	-	-	-	BMS 13-42C Type XII Class 3	03	Shielded
VK	-	-	-	-	6	-	BMS 13-48 Type 9 Class 1	01	Black
VL	-	-	4	-	-	-	44A7428, Raychem	05	PSU
VL	2	3	-	-	-	-	BMS 13-42C Type XII Class 4	04	Shielded
VM	-	-	4	-	-	-	44A7429, Raychem	07	PSU
VM	2	3	-	5	-	-	51-04569, Champlain	02	Shielded, High Temperature
VN	-	3	-	5	-	-	51-04570, Champlain	02	Shielded
VN	-	-	4	-	-	-	M27500-20RC2N06, MIL-W-22759/11-20, MIL-C-27500	02	Shielded, High Temperature
VP	-	-	4	-	6	7	55A8081-18, Raychem	02	Al-Ch, Thermocouple
VP	-	3	-	-	-	-	60B40033-8	19	-
VQ	-	3	-	-	-	-	63831, Filotex	01	Shielded, High Temperature
VQ	-	-	4	-	-	-	NEC 28W, National Electric	02	Shielded
VR	-	-	4	-	-	-	NEC 21044BC, National Electric	06	-
VR	-	3	-	-	-	-	Type 2100-1-(), Filotex	01	High Temperature
VS	2	3	-	5	-	-	BMS 13-55 Type 1 Class 1	01	Ni-Cu, High Temperature
VS	-	-	4	-	-	-	NEC 28616BC, National Electric	08	Coax
VT	2	3	-	5	-	-	BMS 13-55 Type 2 Class 1	01	HSCA, High Temperature
VT	-	-	4	-	-	-	NEC 210712BC, National Electric	09	Coax
VU	-	3	-	5	-	-	853-4218376, Specialty Cable	02	Al-Ch, Thermocouple
VU	-	-	4	-	-	-	NEC 1616MF, National Electric	16	-
VV	2	3	-	-	-	-	30-04373, Champlain	02	Cu-Cn, Thermocouple
VV	-	-	4	-	-	-	NEC 2416MF, National Electric	24	-
VW	-	3	-	5	-	-	24-00033, Champlain	01	Red, High Temperature
VW	-	-	4	-	-	-	NEC 3616MF, National Electric	36	-
VX	-	3	-	5	-	-	784-2ZXE, Thermax	02	Shielded, Low Noise
VX	-	-	4	-	-	-	NEC 282616BC, National Electric	28	-
VY	-	-	4	-	-	-	55A0821-10-92/96, Raychem	02	-
VY	2	3	-	5	-	-	63546, Filotex	02	Shielded, High Temperature

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
VZ	-	-	4	-	-	-	55A6210-18, Raychem	03	-
VZ	2	3	-	5	-	-	BMS 13-55 Type 4 Class 3	03	Shielded, High Temperature
W0	-	-	-	-	-	7	S280T007-2	06	Retractable Cable
W2	-	3	-	-	-	-	BMS 13-58 Type 1 Class 1	01	High Temperature
W3	2	3	-	5	-	-	BMS 13-58 Type 1 Class 1	01	High Temperature
W4	-	-	4	5	6	-	10-60875-4	01	Shielded
W5	-	3	-	5	-	-	26353/90074ZX-2, Tensolite	02	Shielded
W6	-	3	-	5	-	-	12621, Teledyne	02	Blue, Shielded
W7	-	3	-	-	-	-	P606672, Axon	01	High Temperature
W8	-	-	-	5	-	-	DM-F-2MFG, Matsushita Cable	05	Shielded
W9	-	3	-	5	-	-	10-60816-62	02	Shielded
WA	2	3	-	5	-	-	72016, Thermax	02	Low Noise Cable, High Temperature, Round Conductor Shields, Not Adjacent
WA	-	-	4	-	-	-	FSJ4-50, Andrew	01	Helix
WB	-	-	-	5	-	-	72017, Thermax	02	Shielded, High Temperature, Low Noise Cable
WB	-	-	4	-	-	-	MIL-C-17/95, (RG-195A)	01	Coax
WC	-	-	-	5	-	-	10-60816-61	01	Shielded, Fuel Quantity
WC	-	3	4	-	6	7	10599, Raychem	02	Shielded, Data Bus, 70 ohm
WD	2	-	-	-	-	-	BMS 13-48 Type 8 Class 1	01	Yellow
WD	-	-	4	-	-	-	SF-226, Times Wire Company	01	Coax, FEP 226
WE	-	-	4	-	6	7	65B47866-2	02	Red, Shielded, High Temperature, Low Noise
WE	2	-	-	-	-	-	BMS 13-48 Type 8 Class 3	03	-
WF	-	-	4	-	6	-	BMS 13-48 Type 13 Class 1	01	Shielded
WF	2	-	-	-	-	-	BMS 13-48 Type 8 Class 4	04	-
WG	-	-	4	-	6	-	BMS 13-48 Type 13 Class 2	02	Shielded
WG	2	-	-	-	-	-	BMS 13-48 Type 8 Class 2	02	-
WH	2	-	-	-	-	-	BMS 13-48 Type 12 Class 3	03	Shielded
WH	-	-	4	-	6	-	BMS 13-48 Type 13 Class 3	03	Shielded
WI	-	-	4	-	6	-	BMS 13-48 Type 13 Class 4	04	Shielded

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
WJ	-	-	4	-	-	-	6917M39, ENDEVCO	02	Coax, Shielded, High Temperature
WJ	2	-	-	-	-	-	BMS 13-48 Type 16 Class 3	03	Shielded
WK	-	-	4	-	-	-	BMS 13-28 Type IV Class 3	03	High Temperature
WK	2	3	-	5	-	-	BMS 13-48 Type 22 Class 1	01	-
WL	2	3	-	5	-	-	BMS 13-48 Type 24 Class 2	02	Shielded
WL	-	-	4	-	-	-	EPD5386, Raychem	01	-
WM	2	3	-	5	-	-	BMS 13-48 Type 24 Class 3	03	Shielded
WM	-	-	4	-	-	-	VE 556, Vermillion Enterprises	02	Shielded
WN	-	-	4	-	-	-	VE 3042, Vermillion Enterprises	02	Coax, Shielded
WP	-	-	4	-	-	-	VE 3043, Vermillion Enterprises	03	Shielded
WQ	-	-	4	-	-	-	BB 30271, Consolidated Products	04	Coax
WR	-	-	4	-	-	-	BB 30272, Consolidated Products	08	Shielded
WS	-	-	4	-	-	-	BL 782, Times Wire Company	02	Shielded
WT	-	-	4	-	-	-	44A7314-24, Raychem	17	Shielded
WU	-	-	4	-	6	-	MIL-W-22759/2	01	High Temperature
WV	-	-	4	-	-	-	6917M19A, ENDEVCO	02	Shielded, High Temperature
WW	-	-	4	-	-	-	65B43584	26	Coax, Shielded, Power System
WX	-	-	4	-	6	-	65B47866-1	02	Red, Nickel Plated Shield, High Temperature, Low Noise
WY	-	-	4	-	-	-	BMS 13-40 Type I Class 1	01	Aluminum
WZ	-	-	4	-	-	-	BL 982, Times Wire Company	02	Shielded
X1	-	3	-	5	6	-	BMS 13-48 Type 27 Class 1	01	Flat Conductor Shield
X2	-	3	-	5	6	-	BMS 13-48 Type 27 Class 2	02	Flat Conductor Shield
X3	-	3	-	5	6	-	BMS 13-48 Type 27 Class 3	03	Flat Conductor Shield
X4	-	3	-	5	6	-	BMS 13-48 Type 27 Class 4	04	Flat Conductor Shield
X5	-	3	-	5	6	-	BMS 13-48 Type 27 Class 1	01	White/Red, Flat Conductor Shield
X6	-	-	-	-	6	-	BMS 13-48 Type 27 Class 1	01	Yellow, Flat Conductor Shield
XA	-	3	4	5	6	-	MIL-C-17//119, (RG-174)	01	Coax
XB	-	-	4	-	-	-	5026A1318, Raychem	01	Coax
XC	-	-	4	-	-	-	MIL-C-17/163, (RG-213)	01	Coax

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
XD	-	-	4	-	-	-	5026D1018, Raychem	01	Coax
XE	-	-	4	-	6	-	MIL-C-17/167-00001, (RG-223)	01	Coax
XF	-	-	4	-	6	-	MIL-C-17/168, (RG-115A)	01	Coax
XG	-	-	4	-	6	7	BMS 13-48 Type 8 Class 1	01	White/Red
XH	-	-	4	-	-	-	MIL-C-23806/2, (RG332)	01	Coax
XI	-	-	4	-	6	-	204-15578-1, FEP 226	01	Coax
XJ	-	-	4	-	-	-	204-3998-0000, Microdot	03	Triax
XK	-	-	4	-	-	-	275-3962-0000, Microdot	01	Coax
XL	-	-	4	-	-	-	H22-4000, Rockbestos	01	Red, Fire Resistant
XM	-	-	4	-	-	-	BMS 13-8 Type I Class A	01	Red, Fire Resistant
XN	-	3	4	-	-	-	60B40033-8	19	Control Column
XP	-	-	4	-	6	7	BMS 13-48 Type 8 Class 1	01	Yellow
XQ	-	-	4	-	6	7	BMS 13-48 Type 12 Class 1	01	White/Red, Shielded
XR	-	-	4	-	-	-	MIL-C-22931/17, (RG-385)	01	Coax
XS	-	-	4	-	6	7	MIL-C-17/127, (RG-393)	01	Coax
XT	-	-	4	-	-	-	MIL-C-23806/1, (RG-231)	01	Coax
XU	-	3	4	5	6	-	44A7434-20, Raychem	02	Al-Ch, Thermocouple
XV	-	-	4	-	6	-	852-4991980, Specialty Cable	02	Al-Ch, High Temperature, Thermocouple
XW	-	-	4	-	-	-	44A7451-20, Raychem	02	Cu-Cn, Thermocouple
XX	-	-	4	-	6	-	44A7620-20-9/5-9, Raychem	02	Al-Ch, Shielded, Thermocouple
XY	-	-	4	-	6	-	852-4985339, Specialty Cable	03	Al-Ch, Shielded, High Temperature, Thermocouple
XZ	-	-	4	-	6	-	MIL-DTL-17/60, (RG-142B)	01	Coax
Y1	-	3	-	5	6	-	BMS 13-48 Type 28 Class 1	01	Flat Conductor Shield
Y2	-	3	-	5	6	7	BMS 13-48 Type 28 Class 2	02	Flat Conductor Shield
Y3	-	3	5	-	6	7	BMS 13-48 Type 28 Class 3	03	Flat Conductor Shield
Y4	-	3	-	-	6	-	BMS 13-48 Type 28 Class 4	04	Flat Conductor Shield
Y5	-	-	-	-	6	-	BMS 13-48 Type 28 Class 5	05	Flat Conductor Shield
Y6	-	3	-	5	-	7	BMS 13-48 Type 32 Class 2	02	Shielded
Y7	-	3	-	5	-	7	BMS 13-48 Type 32 Class 3	03	Shielded
Y8	-	3	-	5	-	-	BMS 13-48 Type 32 Class 4	04	Shielded

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	707 Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
YA	-	-	4	-	-	-	BMS 13-48 Type 8 Class 1	01	-
YB	-	-	4	-	-	-	BMS 13-48 Type 8 Class 2	02	-
YC	-	-	4	-	-	-	BMS 13-48 Type 8 Class 3	03	-
YD	-	-	4	-	-	-	44A9051, Raychem	05	-
YE	-	-	4	-	-	-	44A9052, Raychem	07	-
YF	-	-	4	-	6	-	BMS 13-48 Type 12 Class 1	01	Red, Shielded
YG	-	-	4	-	-	-	BMS 13-48 Type 12 Class 2	02	Shielded
YH	-	-	4	-	-	-	BMS 13-48 Type 12 Class 3	03	Shielded
YJ	-	-	4	-	-	-	BMS 13-48 Type 12 Class 1	01	Shielded
YK	-	-	4	-	-	-	44A7435-20-9, Raychem	01	Ch, Thermocouple
YL	-	-	4	-	-	-	251-106104-1, Galileo	01	Ch, Thermocouple
YM	-	-	4	-	-	-	BMS 13-48 Type 8 Class 1	01	Red
YP	-	-	4	-	-	-	BMS 13-48 Type 14 Class 2	02	-
YQ	-	-	4	-	-	-	BMS 13-48 Type 8 Class 2	02	-
YR	-	-	4	-	-	-	BMS 13-48 Type 8 Class 3	03	-
YS	-	-	4	-	-	-	BMS 13-48 Type 9 Class 1	01	-
YT	-	-	4	-	-	-	BMS 13-48 Type 9 Class 2	02	-
YU	-	-	4	-	-	-	BMS 13-48 Type 9 Class 3	03	-
YV	-	-	4	-	-	-	BMS 13-48 Type 9 Class 4	04	-
YW	-	-	4	-	-	-	BMS 13-48 Type 14 Class 3	03	-
YY	-	-	4	-	-	-	EPD 2376, Raychem	02	Al-Ch, Thermocouple
Z1	-	3	-	5	-	-	AS25226-2-()	-	Busbar
Z2	-	-	4	-	-	-	ZTZ-0875-SHN-15B, Zippertubing Company	-	Shield
Z3	-	-	4	-	-	-	ZTZ-0550-SHN-15B, Zippertubing Company	-	Shield
Z5	-	-	4	-	-	-	ZTZ-1000-SHN-15B, Zippertubing Company	-	Shield
Z7	-	-	4	-	-	-	ZTZ-1125-SHN-15B, Zippertubing Company	-	Shield
Z8	-	-	4	-	-	-	ZTZ-0625-SHN-15B, Zippertubing Company	-	Shield
Z9	-	-	-	5	-	-	BAC3108-()	-	Shield Braid

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WIRE TYPE CODES

Table 1 (continued)

Wire Type Code	7(7) Model Wiring Diagram Manual						Wire Specification or Part Number	Number of Conductors	Notes
	2	3	4	5	6	7			
ZA	-	3	-	5	-	7	BACJ40K5A5A-()	-	Insulated Jumper
ZB	-	3	4	5	6	7	BACB29B7S()	-	Insulated Bus Assembly
ZC	-	-	-	5	-	-	CH10-0324-(), 287N5001-()	-	Insulated Jumper
ZC	-	-	4	-	-	-	M5086/2, MIL-W-5086	03	Triax
ZD	-	3	-	-	-	7	BACB29B15S	-	Insulated Bus
ZF	-	-	4	-	-	-	284U1228-1	01	Busbar
ZG	-	-	4	-	-	-	284U1250-16	01	Busbar
ZH	-	-	4	-	-	-	284U2175-1	01	Busbar
ZJ	-	3	4	-	-	-	AS25226-6-()	01	Busbar
ZK	-	3	4	-	-	-	AS25226-4-()	01	Busbar

B. Wire Specifications and Wire Part Numbers

NOTE: Model 787 does not use wire type codes. Refer to 787 Schematics and Wiring data.

Table 2
WIRE PART NUMBERS

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
001-BC-100/140/160PM, Northern Lights	Fiber Optic	F2	-	-	-	-	5	-	-
001-BC-HT-100/140/160PM, Northern Lights	Fiber Optic	F3	-	-	-	-	5	-	-
0024A0014, Raychem	Shielded, 100 ohm	8L	02	-	-	-	-	6	-
0024A0014, Raychem	100 ohm Balanced Line	EZ	01	-	3	-	5	-	-
08766/01147KE-3, Tensolite	-	A9	03	-	-	-	-	-	7
1-70436-1, TWA, MIL-W-16878D	-	03	26	2	3	-	5	-	-
1-70436-2, TWA, MIL-W-16878D	Shielded	04	26	2	3	-	5	-	-
1/0766/9D032E-6, Tensolite	Special BMS 13-35	TB	06	-	-	-	-	-	7
1/0TLA/02101E-6, Tensolite	Aluminum	QH	6	-	-	-	-	-	7
10-02716, MIL-C-13273	Retractable	16	02	2	3	-	-	-	-
10-60233-1	-	31	05	2	3	-	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
10-60233-10	-	MV	03	-	3	-	-	-	-
10-60233-2	-	32	03	-	3	-	-	-	-
10-60233-3	-	33	03	2	3	-	-	-	-
10-60233-4	-	34	03	2	3	-	-	-	-
10-60233-5	-	35	12	2	3	-	-	-	-
10-60233-6	-	36	19	2	3	-	-	-	-
10-60233-9	-	MU	03	-	3	-	-	-	-
10-60816-1	Shielded, High Temperature	AA	01	2	3	-	-	-	-
10-60816-10	Shielded	AM	05	2	3	-	-	-	-
10-60816-11	Shielded	AN	02	2	3	-	-	-	-
10-60816-11	Shielded	UW	02	2	3	-	5	-	-
10-60816-12	-	AI	14	2	3	-	-	-	-
10-60816-13	High Temperature	AO	01	2	3	-	5	-	-
10-60816-14	-	AP	05	2	3	-	-	-	-
10-60816-15	-	AQ	03	2	3	-	-	-	-
10-60816-16	Shielded	CT	26	2	3	-	-	-	-
10-60816-17	High Temperature	AS	01	2	3	-	-	-	-
10-60816-19	-	AT	05	2	3	-	-	-	-
10-60816-2	-	AB	02	2	3	-	-	-	-
10-60816-20	-	AU	03	-	3	-	-	-	-
10-60816-21	-	AV	03	2	3	-	-	-	-
10-60816-22	-	AW	03	2	3	-	-	-	-
10-60816-23	High Temperature	AY	01	2	3	-	5	-	-
10-60816-24	-	BO	03	2	3	-	-	-	-
10-60816-25	-	41	16	2	3	-	-	-	-
10-60816-26	-	40	06	2	3	-	-	-	-
10-60816-26	-	UX	06	2	3	-	-	-	-
10-60816-27	-	4C	26	2	3	-	-	-	-
10-60816-3	-	AC	07	2	-	-	-	-	-
10-60816-30	Shielded	MD	01	-	3	-	-	-	-
10-60816-31	High Temperature	MB	01	2	3	-	5	-	-

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
10-60816-32	High Temperature	MC	01	-	3	-	-	-	-
10-60816-33	Shielded, High Temperature	ME	01	-	3	-	-	-	-
10-60816-34	High Temperature	MF	01	-	3	-	-	-	-
10-60816-36	-	MW	02	-	3	-	-	-	-
10-60816-38	-	MG	02	-	3	-	-	-	-
10-60816-39	-	MH	08	-	3	-	-	-	-
10-60816-4	-	AD	02	2	3	-	-	-	-
10-60816-4	-	UT	02	2	3	-	5	-	-
10-60816-40	-	MJ	07	-	3	-	-	-	-
10-60816-43	Shielded	MK	02	-	3	-	-	-	-
10-60816-45	-	ML	03	-	3	-	-	-	-
10-60816-46	Shielded	MM	26	-	3	-	-	-	-
10-60816-47	-	MN	05	-	3	-	-	-	-
10-60816-49	-	MP	03	-	3	-	-	-	-
10-60816-5	High Temperature	AE	01	2	3	-	-	-	-
10-60816-50	-	MQ	03	-	3	-	-	-	-
10-60816-52	-	MR	06	-	3	-	-	-	-
10-60816-53	-	MS	26	-	3	-	-	-	-
10-60816-55	-	MT	03	-	3	-	-	-	-
10-60816-56	High Temperature	MX	01	2	3	-	-	-	-
10-60816-58	-	MZ	03	-	3	-	-	-	-
10-60816-6	High Temperature	AF	01	2	3	-	-	-	-
10-60816-61	Shielded, High Temperature, Fuel Quantity	TK	01	-	-	-	5	-	-
10-60816-61	Shielded, Fuel Quantity	WC	01	-	-	-	5	-	-
10-60816-62	Shielded	W9	02	-	3	-	5	-	-
10-60816-64	-	A6	08	-	3	-	-	-	-
10-60816-65	-	6Z	02	-	3	-	-	-	-
10-60816-7	-	AG	08	2	3	-	-	-	-
10-60816-7	-	UU	08	2	3	-	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
10-60816-8	-	AH	07	2	3	-	-	-	-
10-60816-8	-	UV	07	2	3	-	-	-	-
10-60816-9	Shielded	AL	05	2	3	-	5	-	-
10-60875-1	Shielded	57	02	2	3	-	-	-	-
10-60875-1	Shielded, Fuel Quantity	UJ	02	-	-	4	-	-	-
10-60875-2	Shielded, Fuel Quantity	UK	03	-	-	4	-	6	-
10-60875-3	Fuel Quantity	UL	01	-	-	4	-	-	-
10-60875-4	Fuel Quantity, Shielded	93	01	-	-	4	-	6	-
10-60875-4	Shielded	W4	01	-	-	4	5	6	-
10-60875-5	Shielded, Fuel Quantity	UP	03	-	-	4	-	-	-
10-60875-8	Fuel Quantity, Shielded	98	01	-	-	-	-	6	-
10-60875-9	Shielded, Fuel Quantity	UT	03	-	-	4	-	-	-
10-60918-1	Shielded	AJ	08	2	3	-	-	-	-
10-60918-2	Shielded	AK	03	2	3	-	-	-	-
10-60918-3	Shielded	BQ	03	2	3	-	-	-	-
10-61299-1	-	AR	04	2	3	-	-	-	-
10-61299-2	Shielded	BP	04	2	3	-	-	-	-
10-61299-4	-	BT	04	2	3	-	-	-	-
10-61299-5	Shielded	BU	04	-	3	-	5	-	-
10-61299-6	Shielded	BF	04	-	3	-	5	-	-
10-61299-7	-	BY	05	-	3	-	-	-	-
10-61299-8	Shielded	V9	06	-	3	-	5	-	-
1008-2SJ, Thermax	100 ohm, Shielded, Wire Wrap	RZ	02	-	-	4	-	-	-
10599, Raychem	Shielded, Data Bus, 70 ohm	WC	02	-	3	4	-	6	7
12-025C, Raychem	Coax	25	01	2	3	-	-	-	-
12-125, Raychem	Coax	27	01	2	3	-	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
12-175, Raychem	Coax	75	01	2	3	-	5	-	-
120-S001-20, Glenair	5/8 Convolex Tube	SR	-	-	-	-	-	-	7
12621, Teledyne	Blue, Shielded	W6	02	-	3	-	5	-	-
12817, Teledyne	Shielded	4S	01	-	-	4	-	-	-
14401, ITT	Shielded	DB	02	-	3	-	-	-	-
153049, MIL-W-16878/3 Type D	-	13	01	2	-	-	-	-	-
157167, Prestolite	High Voltage	DV	01	-	3	-	-	-	-
18480/9K105X-4(LD), Tensolite	105 ohm, Adjacent Round Conductor Shields	D#	04	-	-	4	-	-	-
18S6JX, Lewis	Shielded, High Temperature	18	01	2	3	-	5	-	-
201-0046, Amphenol	-	4B	07	2	3	-	-	-	-
204-15578-1	Coax	JZ	01	-	-	4	-	6	-
204-15578-1, FEP 226	Coax	XI	01	-	-	4	-	6	-
204-3998-0000, Microdot	Triax	XJ	03	-	-	4	-	-	-
204-44, Bentley-Harris	Viton Sleeve	S7	-	-	-	-	5	-	-
20461/9C059X-4, Tensolite	100 ohm, Shielded	0Z	04	-	-	4	-	6	7
20721/20087Q-2, Tensolite	Shielded	5T	02	-	-	-	5	-	-
20722/70172KLX-10, Tensolite	Shielded	4M	10	-	-	4	-	-	-
20S6JX, Lewis	Shielded, High Temperature	20	01	2	3	-	-	-	-
21-606, Aljak	Coax	06	01	-	3	-	5	-	-
21-607, Aljak	Coax	07	01	2	3	-	5	-	-
21-768, Raychem	Shielded	76	02	2	3	-	5	-	-
22722/60586KK-6, Tensolite	Shielded	6Y	06	-	-	4	-	6	-
24-00033, Champlain	Red, Fire Resistant	9M	01	-	-	4	-	6	-
24-00033, Champlain	Red, Fire Resistant	VW	01	-	3	-	5	-	-
24-00034, Champlain	Red, Fire Resistant	9N	01	-	-	4	-	6	-
24-00034, Champlain	Red, Fire Resistant	V3	01	-	3	-	-	-	-
24-00034, Champlain	Red, Fire Resistant	VD	01	-	3	-	5	-	-
24-00115, Champlain	Red, Fire Resistant	V4	01	-	3	-	5	-	-
24443/9C062X-4, Tensolite	100 ohm, Shielded	0U	04	-	3	4	-	-	7

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
24473/9C175X-2(LD), Tensolite	Shielded, 120 ohm	T3	02	-	3	4	5	6	7
24473/9P231X-4(LD), Tensolite	100 Ohm, Shielded Pair of Shielded Component Wires	0V	2	-	-	-	-	6	-
24721/30130Q-2, Tensolite	Shielded	5X	02	-	-	-	5	-	-
24723/70102KK-5, Tensolite	Shielded	4L	05	-	-	4	-	-	-
251-106104-1, Galileo	Ch, Thermocouple	YL	01	-	-	4	-	-	-
26353/90074ZX-2, Tensolite	Shielded	W5	02	-	3	-	5	-	-
275-3962-0000, Microdot	Coax	XK	01	-	-	4	-	-	-
284T1015-1	Flat Cable Assembly	FA	20	-	-	-	-	6	-
284T1015-2	Flat Cable Assembly	FB	20	-	-	-	-	6	-
284U1228-1	Busbar	ZF	01	-	-	4	-	-	-
284U1250-16	Busbar	ZG	01	-	-	4	-	-	-
284U2175-1	Busbar	ZH	01	-	-	4	-	-	-
30-04373, Champlain	Cu-Cn, Thermocouple	VV	02	2	3	-	-	-	-
30-04680, Champlain	Shielded	9F	09	-	-	4	-	6	-
3518D0611, Raychem	Shielded	9S	02	-	-	4	-	-	-
4/0591/31886PT-1	High Temperature, AWG 4/0	K1	01	2	3	-	5	-	-
42-133, Raychem	Coax	42	01	2	3	-	5	-	-
421-166, Amphenol	Triax	60	03	2	-	-	-	-	-
421-176, Amphenol	Coax	93	01	2	3	-	-	-	-
44A1811-12-9-9, Raychem	-	VJ	02	-	-	4	-	-	-
44A7314-24, Raychem	Shielded	WT	17	-	-	4	-	-	-
44A7418, Raychem	PSU	VK	06	-	-	4	-	-	-
44A7428, Raychem	PSU	VL	05	-	-	4	-	-	-
44A7429, Raychem	PSU	VM	07	-	-	4	-	-	-
44A7434, Raychem	Al-Ch, Thermocouple	DX	02	-	3	-	5	-	-
44A7434-20, Raychem	Al-Ch, Thermocouple	XU	02	-	3	4	5	6	-
44A7434-22-9/5, Raychem	Al-Ch, Thermocouple	8N	02	-	-	-	-	6	-

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Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
44A7435-20-9, Raychem	Ch, Thermocouple	YK	01	-	-	4	-	-	-
44A7451-20, Raychem	Cu-Cn, Thermocouple	XW	02	-	-	4	-	-	-
44A7620-20-9/5-9, Raychem	Al-Ch, Shielded, Thermocouple	XX	02	-	-	4	-	6	-
44A7620-22-9/5-9, Raychem	Shielded, Al-Ch, Thermocouple	8P	02	-	-	4	-	6	7
44A9051, Raychem	-	YD	05	-	-	4	-	-	-
44A9052, Raychem	-	YE	07	-	-	4	-	-	-
45-28-13, ITT	-	29	02	-	3	-	-	-	-
5012F1339 (10-008), Raychem	Coax	10	01	2	3	-	-	-	-
5012F1339, Raychem	Coax	12	01	2	3	-	-	-	-
5012H3012, Raychem	Coax	8W	01	-	-	4	-	6	-
5012H3012, Raychem	Coax	BS	01	-	3	4	5	6	-
5020G3442, Raychem	Coax	94	01	2	3	-	5	-	-
5021E1331, Raychem	Coax	09	01	2	3	-	-	-	-
5021K1011, Raychem	Coax	8V	01	-	-	4	-	6	-
5021K1011, Raychem	Coax	BR	01	-	-	4	5	6	-
5024A1314, Raychem	Coax	5X	01	-	-	4	-	6	-
5026A1314-9, Raychem	Coax	5W	01	-	-	-	-	6	-
5026A1314-9, Raychem	Coax	BX	01	-	-	-	5	6	-
5026A1318, Raychem	Coax	XB	01	-	-	4	-	-	-
5026D1018, Raychem	Coax	XD	01	-	-	4	-	-	-
5026N5611, Raychem	50 ohm Triax, Shielded	E3	03	-	-	4	-	-	7
51-04569, Champlain	Shielded, High Temperature	VM	02	2	3	-	5	-	-
51-04570, Champlain	Shielded	VN	02	2	3	-	5	-	-
51-04751, Champlain	Shielded	9A	36	-	-	-	-	6	-
550-292, Thermax	High Temperature, Round Conductor Shields, Not Adjacent	D2	02	-	-	-	-	6	7

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	707 Model Wiring Diagram Manual					
				2	3	4	5	6	7
551-292, Thermax	High Temperature, Round Conductor Shields, Not Adjacent	D3	03	-	-	4	-	6	7
552-292, Thermax	High Temperature, Round Conductor Shields, Not Adjacent	D4	02	-	-	-	-	-	7
557-392, Thermax	High Temperature	A8	03	-	-	-	-	6	7
55A0821-10-92/96, Raychem	-	VY	02	-	-	4	-	-	-
55A0831-08-92/96/94, Raychem	-	6S	03	-	-	4	-	-	-
55A1211-10-9-9, Raychem	Shielded	42	01	-	-	4	-	6	-
55A1821-10-2/6-9, Raychem	-	4R	02	-	-	4	-	-	-
55A6087-20, Raychem	Coax, Round Conductor Shields, Not Adjacent	8X	01	-	-	-	-	6	-
55A6087-20-9, Raychem	Adjacent Round Conductor Shields	4J	01	-	-	-	5	-	-
55A6088-()-9, Raychem	Shielded	4K	15	-	-	-	5	-	-
55A6088-20, Raychem	Shielded	8Z	15	-	-	-	-	6	-
55A6090-()-9, Raychem	Shielded	4L	05	2	3	-	5	-	-
55A6090-20, Raychem	Shielded	8Y	05	-	-	4	-	6	-
55A6160-()-2/6-9-9, Raychem	Two Shields	2Z	02	-	-	-	5	6	-
55A6160-()-2/6-9-9, Raychem	Adjacent Round Conductor Shields	4H	02	2	3	-	5	-	-
55A6160-20, Raychem	Round Conductor Shields, Not Adjacent	9C	02	-	-	-	-	6	-
55A6203-(), Raychem	Cn-Ch, Shielded, Thermocouple	TF	02	-	-	-	-	6	7
55A6210-18, Raychem	-	VZ	03	-	-	4	-	-	-
55A6645-20, Raychem	Round Conductor Shields, Not Adjacent	9J	02	-	-	4	-	-	-
55A8081-18, Raychem	Al-Ch, Thermocouple	VP	02	-	-	4	-	6	7
55A8081-18-9, Raychem	Al-Ch, Thermocouple	UY	02	-	3	4	5	6	7

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	707 Model Wiring Diagram Manual					
				2	3	4	5	6	7
55PC6000-20, Raychem	Round Conductor Shields, Not Adjacent	D0	02	-	-	-	-	6	7
55PC6001-20, Raychem	Round Conductor Shields, Not Adjacent	D1	03	-	-	-	-	-	7
55PC6021-20, Raychem	Adjacent Round Conductor Shields	D6	02	-	-	-	5	-	7
55PC6022-20, Raychem	Adjacent Round Conductor Shields	D7	03	-	-	-	5	-	7
55PC6023-20, Raychem	Adjacent Round Conductor Shields	D8	04	-	-	-	-	-	7
55PC6024-20, Raychem	Round Conductor Shields, Not Adjacent	D5	4	-	-	-	-	-	7
60B40033-8	-	VP	19	-	3	-	-	-	-
60B40033-8	Control Column	XN	19	-	3	4	-	-	-
61-02384, Champlain	Shielded, High Temperature	CK	02	-	-	4	-	-	-
61-02651, Champlain	High Temperature, Round Conductor Shields, Not Adjacent	9D	02	-	-	4	-	6	-
61-02651, Champlain	High Temperature, Round Conductor Shields, Not Adjacent	FL	02	-	-	4	5	6	-
61-02783, Champlain	High Temperature, Round Conductor Shields, Not Adjacent, Nickel Plated	9K	03	-	-	4	-	6	-
61-02786, Champlain	Shielded, High Temperature	CM	01	-	-	4	-	6	-
621-1292, Thermax	BMS13-58T1C3G8, High Temperature	TG	03	-	-	-	5	6	7
63546, Filotex	Shielded, High Temperature	VY	02	2	3	-	5	-	-
63831, Filotex	Shielded, High Temperature	VQ	01	-	3	-	-	-	-
64-500, Prodelin	Coax, 50 ohm	82	01	-	-	-	-	6	-

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Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	707 Model Wiring Diagram Manual					
				2	3	4	5	6	7
65B43584	Coax, Shielded, Power System	WW	26	-	-	4	-	-	-
65B47866-1	Red, Nickel Plated Shield, High Temperature, Low Noise	WX	02	-	-	4	-	6	-
65B47866-2	Red, Nickel Plated Shield, High Temperature, Low Noise Cable	RJ	02	-	3	4	5	6	7
65B47866-2	Red, Shielded, High Temperature, Low Noise Cable	VC	02	-	3	-	5	-	-
65B47866-2	Red, Shielded, High Temperature, Low Noise	WE	02	-	-	4	-	6	7
65B47866-5, Thermax	Low Noise, Red, High Temperature, Nickel Plated Round Conductor Shields, Not Adjacent	RQ	02	-	3	4	5	6	-
691-295, Thermax	Coax	CW	01	-	3	-	5	-	-
6917M19A, ENDEVCO	Shielded, High Temperature	WV	02	-	-	4	-	-	-
6917M39, ENDEVCO	Coax, Shielded, High Temperature	WJ	02	-	-	4	-	-	-
7120D0011 (62-320), Raychem	Shielded	54	03	2	3	-	-	-	-
72016, Thermax	Two Shields, High Temperature	CW	02	-	-	4	-	6	-
72016, Thermax	Low Noise Cable, High Temperature, Round Conductor Shields, Not Adjacent	WA	02	2	3	-	5	-	-
72017, Thermax	Shielded, High Temperature, Low Noise Cable	WB	02	-	-	-	5	-	-
747-201, Thermax	Pink, 1 Shield, Fuel Quantity	TU	02	-	3	4	-	-	-
747-203, Thermax	Pink, 4 Shields, Fuel Quantity	TV	07	-	3	4	-	-	-
7484444-1SN-22, Douglas	Shielded	4E	01	2	3	-	-	-	-

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Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	707 Model Wiring Diagram Manual					
				2	3	4	5	6	7
7484444-2-22, Douglas	Shielded, High Temperature	DY	02	2	3	-	-	-	-
7524D5011, Raychem	Triax	61	03	2	3	4	-	-	-
7526D1312, Raychem	Coax	26	01	2	3	-	-	-	-
7616964B24, Douglas	-	DZ	01	2	3	-	-	-	-
767-202, Thermax	Pink, 3 Shields, Fuel Quantity	TT	02	-	-	-	-	6	-
767-207, Thermax	Pink, 2 Shields, Fuel Quantity	TR	07	-	-	-	-	6	-
767-208, Thermax	FQIS Cable	TS	7	-	-	-	-	6	-
767-221, Thermax	Pink, 2 Shields, Fuel Quantity	TQ	17	-	-	4	-	6	-
767-2217, Thermax	Pink, 2 Shields, Fuel Quantity	TL	17	-	-	-	-	6	-
767-222, Thermax	Pink, 3 Shields, Fuel Quantity	TP	02	-	-	-	-	6	-
767-226, Thermax	Pink, 2 Shields, Fuel Quantity	TN	06	-	-	-	-	6	-
767-227, Thermax	Pink, 2 Shields, Fuel Quantity	TM	07	-	3	-	5	6	-
7724D3664, Raychem	Shielded	9R	02	-	-	4	-	-	-
784-2ZXE, Thermax	Shielded, Low Noise	VX	02	-	3	-	5	-	-
81993, Filotex	Fire Resistant	9Y	01	-	-	4	-	6	-
8220D0011 (62-22QB), Raychem	Shielded	53	02	2	3	-	-	-	-
831-4245270, Pirelli	Shielded, 100 ohm Balanced Line	9H	02	-	-	4	-	6	-
831-4245379, Pirelli	Shielded, 100 ohm Balanced Line	9G	02	-	-	-	-	6	-
831-4245379, Specialty Cable	100 ohm	BW	01	-	3	-	5	6	-
852-4206876, Specialty Cable	Cn-Ch, Shielded, Thermocouple	TC	02	-	-	-	-	6	-
852-4206975, Specialty Cable	Cn-Ch, Shielded, Thermocouple	TD	02	-	-	4	-	6	-
852-4236774, Pirelli	Cu-Cn, Thermocouple	52	02	2	3	-	5	-	-

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Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
852-4985321, Specialty Cable	Al-Ch, Shielded, High Temperature, Thermocouple	TE	02	-	-	4	5	6	-
852-4985339, Specialty Cable	Al-Ch, Shielded, High Temperature, Thermocouple	XY	03	-	-	4	-	6	-
852-4991972, Specialty Cable	Al-Ch, Thermocouple	99	02	2	3	-	-	-	-
852-4991980, Specialty Cable	Al-Ch, Thermocouple	UZ	02	-	3	4	5	6	-
852-4991980, Specialty Cable	Al-Ch, High Temperature, Thermocouple	XV	02	-	-	4	-	6	-
853-4125928, Specialty Cable	Cu-Cn, Thermocouple	81	02	2	3	-	5	-	-
853-4218376, Specialty Cable	Al-Ch, Thermocouple	VU	02	-	3	-	5	-	-
853-4221073, Pirelli	Cu-Cn, Thermocouple	80	02	2	3	-	5	-	-
853-4221172, Pirelli	Al-Ch, Thermocouple	DW	02	2	3	-	-	-	-
853-4310074, Specialty Cable	Cu-Cn, Thermocouple	V1	02	2	3	-	-	-	-
85842, Filotex	Red, Fire Resistant	9X	01	-	-	4	-	6	-
930-OFSXE, Thermax	50 Ohm, Triax	0M	3	-	-	4	-	6	7
975-295, Thermax	Shielded	V2	09	-	3	4	5	6	7
976-295, Thermax	70 ohm, Nickel Plated Shield	7K	02	-	3	-	5	6	-
977-295, Thermax	100 ohm	BV	02	-	-	4	5	6	-
986-495, Thermax	75 ohm	7P	02	-	3	4	5	6	7
Airline Specified Wire	Refer to WDM Introduction	Q0	10	-	-	4	-	6	7
Airline Specified Wire	Refer to WDM Introduction	Q1	01	-	-	4	-	6	7
Airline Specified Wire	Refer to WDM Introduction	Q2	02	-	-	4	-	6	7
Airline Specified Wire	Refer to WDM Introduction	Q3	03	-	-	4	-	6	7

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Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
Airline Specified Wire	Refer to WDM Introduction	Q4	04	-	-	4	-	6	7
Airline Specified Wire	Refer to WDM Introduction	Q5	05	-	-	4	-	6	7
Airline Specified Wire	Refer to WDM Introduction	Q6	06	-	-	4	-	6	7
Airline Specified Wire	Refer to WDM Introduction	Q7	07	-	-	4	-	6	7
Airline Specified Wire	Refer to WDM Introduction	Q8	08	-	-	4	-	6	7
Airline Specified Wire	Refer to WDM	Q9	09	-	-	4	-	6	7
AS25226-2-()	Busbar	Z1	-	-	3	-	5	-	-
AS25226-4-()	Busbar	ZK	01	-	3	4	-	-	-
AS25226-6-()	Busbar	ZJ	01	-	3	4	-	-	-
BA14349, ITT Surprenant	Coax	67	01	-	-	4	-	-	-
BA3482, ITT Surprenant	Twinax	82	02	2	3	-	5	-	-
BA5903A, ITT Surprenant	Coax	66	01	2	3	4	5	6	7
BA6416A, ITT Surprenant	Triax	64	03	2	3	-	-	-	-
BA6903A, ITT Surprenant	Coax	65	01	2	3	4	5	6	-
BAC3108-()	Shield Braid	Z9	-	-	-	-	5	-	-
BACB29B15S	Insulated Bus	ZD	-	-	3	-	-	-	7
BACB29B7S()	Insulated Bus Assembly	ZB	-	-	3	4	5	6	7
BACJ40K5A5A-()	Insulated Jumper	ZA	-	-	3	-	5	-	7
BB 30271, Consolidated Products	Coax	WQ	04	-	-	4	-	-	-
BB 30272, Consolidated Products	Shielded	WR	08	-	-	4	-	-	-
BL 782, Times Wire Company	Shielded	WS	02	-	-	4	-	-	-
BL 982, Times Wire Company	Shielded	WZ	02	-	-	4	-	-	-
BMS 13-10 Type 1Class 1	-	1R	01	2	3	-	-	-	-
BMS 13-10 Type 1Class 2	-	1S	02	2	3	-	-	-	-
BMS 13-10 Type 1Class 3	-	1T	03	2	3	-	-	-	-
BMS 13-10 Type 1Class 4	-	1U	04	2	3	-	-	-	-
BMS 13-10 Type 3 Class 1	Shielded	3R	01	2	3	-	-	-	-
BMS 13-10 Type 3 Class 14	Shielded	3W	14	2	3	-	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

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				2	3	4	5	6	7
BMS 13-10 Type 3 Class 2	Shielded	3S	02	2	3	-	-	-	-
BMS 13-10 Type 3 Class 3	Shielded	3T	03	2	3	-	-	-	-
BMS 13-10 Type 3 Class 4	Shielded	3U	04	2	3	-	-	-	-
BMS 13-10 Type 3 Class 7	Shielded	3V	07	2	3	-	-	-	-
BMS 13-10 Type 4 Class 4	-	BN	04	-	3	-	-	-	-
BMS 13-10 Type 4 Class 6	-	BM	06	-	3	-	-	-	-
BMS 13-11 Type I Class 1	-	1J	01	2	3	-	-	-	-
BMS 13-11 Type I Class 1	-	AZ	01	2	3	-	-	-	-
BMS 13-11 Type I Class 2	-	1K	02	2	3	-	-	-	-
BMS 13-11 Type I Class 3	-	1L	03	2	3	-	-	-	-
BMS 13-11 Type I Class 4	-	1M	04	2	3	-	-	-	-
BMS 13-11 Type V Class 1	Shielded	3A	01	2	3	-	-	-	-
BMS 13-11 Type V Class 1	Shielded	3E	01	2	3	-	-	-	-
BMS 13-11 Type V Class 1	Shielded, White	3J	01	2	3	-	-	-	-
BMS 13-11 Type V Class 1	Shielded	UP	01	2	3	-	-	-	-
BMS 13-11 Type V Class 2	Shielded	24	02	2	3	-	-	-	-
BMS 13-11 Type V Class 2	Shielded	3B	02	2	3	-	-	-	-
BMS 13-11 Type V Class 2	Shielded	3F	02	2	3	-	-	-	-
BMS 13-11 Type V Class 2	Shielded	3K	02	2	3	-	-	-	-
BMS 13-11 Type V Class 2	Shielded	UQ	02	2	3	-	-	-	-
BMS 13-11 Type V Class 3	Shielded	3C	03	2	3	-	-	-	-
BMS 13-11 Type V Class 3	Shielded	3G	03	2	3	-	-	-	-
BMS 13-11 Type V Class 3	Shielded	3L	03	2	3	-	-	-	-
BMS 13-11 Type V Class 3	Shielded	UR	03	2	3	-	-	-	-
BMS 13-11 Type V Class 4	Shielded	3D	04	2	3	-	-	-	-
BMS 13-11 Type V Class 4	Shielded	3H	04	2	3	-	-	-	-
BMS 13-11 Type V Class 4	Shielded	3M	04	2	3	-	-	-	-
BMS 13-11 Type V Class 4	Shielded	US	04	2	3	-	-	-	-
BMS 13-13 Type I Class 1	-	1A	01	2	3	-	-	-	-
BMS 13-13 Type I Class 1	-	1N	01	2	3	-	-	-	-
BMS 13-13 Type I Class 1	-	UJ	01	2	3	-	-	-	-

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Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7()7 Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-13 Type I Class 2	-	1B	02	2	3	-	-	-	-
BMS 13-13 Type I Class 2	-	1P	02	2	3	-	-	-	-
BMS 13-13 Type I Class 2	-	UK	02	2	3	-	-	-	-
BMS 13-13 Type I Class 3	-	1C	03	2	3	-	-	-	-
BMS 13-13 Type I Class 3	-	1Q	03	2	3	-	-	-	-
BMS 13-13 Type I Class 3	-	UL	03	-	3	-	-	-	-
BMS 13-13 Type I Class 4	-	1D	04	2	3	-	-	-	-
BMS 13-13 Type I Class 4	-	4A	04	2	3	-	-	-	-
BMS 13-13 Type I Class 4	-	UM	04	2	3	-	5	-	-
BMS 13-13 Type I Class 5	-	1V	05	-	3	-	-	-	-
BMS 13-13 Type I Class 8	-	1W	08	2	3	-	-	-	-
BMS 13-13 Type III Class 1	Shielded	3N	01	2	3	-	-	-	-
BMS 13-13 Type III Class 2	Shielded	3P	02	2	3	-	-	-	-
BMS 13-13 Type III Class 3	Shielded	3Q	03	2	3	-	-	-	-
BMS 13-13 Type IV Class 4	-	4D	04	2	3	-	-	-	-
BMS 13-16 Type I Class 1	-	1E	01	2	3	4	5	6	-
BMS 13-16 Type I Class 1	Blue	8Q	01	2	3	-	5	-	-
BMS 13-16 Type I Class 2	-	1F	02	2	3	-	5	-	-
BMS 13-16 Type I Class 3	-	1G	03	2	3	-	5	-	-
BMS 13-16 Type I Class 4	-	1H	04	2	3	-	-	-	-
BMS 13-16 Type III Class 1	Blue, Shielded	8R	01	2	3	-	5	-	-
BMS 13-16 Type III Class 1	Shielded	CN	01	2	3	-	5	-	-
BMS 13-16 Type III Class 14	Shielded	DS	14	2	3	-	-	-	-
BMS 13-16 Type III Class 2	Blue, Shielded	8S	02	-	3	-	5	-	-
BMS 13-16 Type III Class 2	Shielded	CP	02	2	3	-	5	-	-
BMS 13-16 Type III Class 2	Shielded	E2	02	-	-	-	5	-	-
BMS 13-16 Type III Class 3	Shielded	CR	03	2	3	-	-	-	-
BMS 13-16 Type III Class 4	Shielded	CS	04	2	3	-	-	-	-
BMS 13-16 Type III Class 7	Shielded	DR	07	2	3	-	-	-	-
BMS 13-18 Type I Class 1	High Temperature	70	01	2	3	-	-	-	-
BMS 13-18 Type I Class 2	High Temperature	77	02	2	3	-	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-18 Type I Class 4	High Temperature	55	04	2	3	-	-	-	-
BMS 13-18 Type III Class 1	Shielded, High Temperature	69	01	2	3	-	-	-	-
BMS 13-18 Type III Class 2	Shielded, High Temperature	68	02	2	3	-	-	-	-
BMS 13-18 Type III Class 3	Shielded, High Temperature	67	03	2	3	-	-	-	-
BMS 13-18 Type IV Class 4	High Temperature	51	04	2	3	-	-	-	-
BMS 13-28 Type I Class 1	High Temperature	86	01	2	3	4	-	-	-
BMS 13-28 Type I Class 2	High Temperature	87	02	2	3	4	-	-	-
BMS 13-28 Type I Class 3	High Temperature	88	03	-	-	4	-	-	-
BMS 13-28 Type I Class 4	High Temperature	88	04	2	3	-	5	-	-
BMS 13-28 Type III Class 1	Shielded, High Temperature	89	01	2	3	4	-	-	-
BMS 13-28 Type III Class 2	Shielded, High Temperature	90	02	2	3	4	-	-	-
BMS 13-28 Type III Class 3	Shielded, High Temperature	91	03	2	3	4	-	-	-
BMS 13-28 Type IV Class 3	High Temperature	WK	03	-	-	4	-	-	-
BMS 13-28 Type IV Class 4	High Temperature	BL	04	2	3	-	5	-	-
BMS 13-29 Type I Class 1	-	21	01	2	3	-	5	-	-
BMS 13-29 Type I Class 1	High Voltage	UM	01	-	-	4	-	-	-
BMS 13-29 Type I Class 2	High Temperature	EY	02	-	-	-	5	-	-
BMS 13-29 Type III Class 2	Shielded, High Temperature	EW	02	2	3	-	5	-	-
BMS 13-29 Type IV Class 4	-	23	04	2	3	-	5	-	-
BMS 13-30 Type I Class 1	-	45	01	2	3	-	-	-	-
BMS 13-30 Type I Class 1	-	BA	01	2	3	-	-	-	-
BMS 13-30 Type I Class 2	-	46	02	2	3	-	-	-	-
BMS 13-30 Type I Class 2	-	BB	02	2	3	-	-	-	-
BMS 13-30 Type I Class 3	-	47	03	2	3	-	-	-	-
BMS 13-30 Type I Class 3	-	BC	03	2	3	-	-	-	-
BMS 13-30 Type I Class 4	-	48	04	2	3	-	-	-	-
BMS 13-30 Type I Class 4	-	BD	04	2	3	-	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7()7 Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-30 Type III Class 1	Shielded	95	01	2	3	-	-	-	-
BMS 13-30 Type III Class 1	Shielded	CA	01	2	3	-	-	-	-
BMS 13-30 Type III Class 2	Shielded	96	02	2	3	-	-	-	-
BMS 13-30 Type III Class 2	Shielded	CB	02	2	3	-	-	-	-
BMS 13-30 Type III Class 3	Shielded	97	03	2	3	-	-	-	-
BMS 13-30 Type III Class 3	Shielded	CC	03	2	3	-	-	-	-
BMS 13-30 Type III Class 4	-	98	04	2	3	-	-	-	-
BMS 13-30 Type III Class 4	Shielded	CD	04	2	3	-	-	-	-
BMS 13-31 Type I Class 1	High Temperature	BG	01	-	-	4	-	6	-
BMS 13-31 Type I Class 1	High Temperature	EA	01	2	3	-	5	-	-
BMS 13-31 Type I Class 2	High Temperature	BH	02	-	-	4	-	6	-
BMS 13-31 Type I Class 2	High Temperature	EB	02	2	3	-	5	-	-
BMS 13-31 Type I Class 3	High Temperature	EC	03	2	3	4	5	6	-
BMS 13-31 Type I Class 4	High Temperature	BI	04	-	-	4	-	-	-
BMS 13-31 Type I Class 4	High Temperature	ED	04	2	3	-	5	-	-
BMS 13-31 Type III Class 1	Shielded, High Temperature	EE	01	2	3	4	5	6	-
BMS 13-31 Type III Class 2	Shielded, High Temperature	CH	02	-	-	4	-	-	-
BMS 13-31 Type III Class 2	Shielded, High Temperature	EF	02	2	3	-	5	-	-
BMS 13-31 Type III Class 3	Shielded, High Temperature	CJ	03	-	-	4	-	-	-
BMS 13-31 Type III Class 3	Shielded, High Temperature	EG	03	2	3	-	5	-	-
BMS 13-31 Type III Class 4	Shielded, High Temperature	EH	04	2	3	-	5	-	-
BMS 13-31 Type IV Class 2	High Temperature	FK	02	-	-	-	5	-	-
BMS 13-31 Type IV Class 3	High Temperature	CU	03	2	3	4	5	-	-
BMS 13-31 Type IV Class 4	High Temperature	AX	04	2	3	-	-	-	-
BMS 13-31 Type IV Class 8	High Temperature	EX	08	2	3	-	5	-	-
BMS 13-31 Type V Class 1	High Temperature	7A	01	-	3	4	5	6	-
BMS 13-31 Type V Class 1	Red, High Temperature	7B	01	-	-	4	-	6	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7()7 Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-31 Type V Class 1	High Temperature	FA	01	2	3	-	5	-	-
BMS 13-31 Type V Class 1	Red, High Temperature	FV	01	2	3	-	5	-	-
BMS 13-31 Type V Class 1	Yellow, High Temperature	FW	01	-	-	-	5	-	-
BMS 13-31 Type V Class 2	High Temperature	7C	02	-	-	4	-	6	-
BMS 13-31 Type V Class 2	High Temperature	FB	02	2	3	-	5	-	-
BMS 13-31 Type V Class 3	High Temperature	7D	03	-	-	4	-	6	-
BMS 13-31 Type V Class 3	High Temperature	FC	03	2	3	-	5	-	-
BMS 13-31 Type V Class 4	High Temperature	7E	04	-	-	4	-	6	-
BMS 13-31 Type V Class 4	High Temperature	FD	04	-	3	-	5	-	-
BMS 13-31 Type VII Class 1	Shielded, High Temperature	7F	01	-	-	4	-	6	-
BMS 13-31 Type VII Class 1	Shielded, High Temperature	FE	01	2	3	-	5	-	-
BMS 13-31 Type VII Class 1	Red, Shielded, High Temperature	FJ	01	-	-	4	-	-	-
BMS 13-31 Type VII Class 2	Shielded, High Temperature	7G	02	-	-	4	-	6	-
BMS 13-31 Type VII Class 2	Shielded, High Temperature	FF	02	2	3	-	5	-	-
BMS 13-31 Type VII Class 3	Shielded, High Temperature	7H	03	-	-	4	-	6	-
BMS 13-31 Type VII Class 3	Shielded, High Temperature	FG	03	2	3	-	5	-	-
BMS 13-31 Type VII Class 4	Shielded, High Temperature	9E	04	-	-	4	-	6	-
BMS 13-31 Type VII Class 4	Shielded, High Temperature	FH	04	2	3	-	5	-	-
BMS 13-31 Type VIII Class 8	High Temperature	FX	08	2	3	-	5	-	-
BMS 13-35 Type I Class 1	Al	43	01	2	3	4	5	6	7
BMS 13-35 Type I Class 3	Aluminum	T4	03	-	-	-	-	-	7
BMS 13-40 Type I Class 1	Aluminum	WY	01	-	-	4	-	-	-
BMS 13-42B Type VIII Class 1	-	UA	01	2	3	-	-	-	-
BMS 13-42B Type VIII Class 2	-	UB	02	2	3	-	-	-	-
BMS 13-42B Type VIII Class 3	-	UC	03	2	-	-	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-42B Type VIII Class 3	Not applicable after Line Number 1440	UC	03	-	3	-	-	-	-
BMS 13-42B Type XII Class 1	Shielded	VF	01	2	-	-	-	-	-
BMS 13-42B Type XII Class 1	Shielded; not applicable after Line Number 1440	VF	01	-	3	-	-	-	-
BMS 13-42B Type XII Class 2	Shielded	VG	02	2	-	-	-	-	-
BMS 13-42B Type XII Class 2	Shielded; not applicable after Line Number 1440	VG	02	-	3	-	-	-	-
BMS 13-42C Type VIII Class 1	-	BG	01	2	3	-	-	-	-
BMS 13-42C Type VIII Class 1	-	UD	01	2	3	-	-	-	-
BMS 13-42C Type VIII Class 2	-	BH	02	2	3	-	-	-	-
BMS 13-42C Type VIII Class 2	-	UE	02	2	3	-	-	-	-
BMS 13-42C Type VIII Class 3	-	BJ	03	2	3	-	-	-	-
BMS 13-42C Type VIII Class 3	-	UF	03	2	3	-	-	-	-
BMS 13-42C Type VIII Class 4	-	BK	04	2	3	-	-	-	-
BMS 13-42C Type VIII Class 4	-	UG	04	2	3	-	-	-	-
BMS 13-42C Type XII Class 1	Shielded	CG	01	2	3	-	-	-	-
BMS 13-42C Type XII Class 1	Shielded	VH	01	2	-	-	-	-	-
BMS 13-42C Type XII Class 1	Shielded; not applicable after Line Number 1440	VH	01	-	3	-	-	-	-
BMS 13-42C Type XII Class 2	Shielded	CH	02	2	3	-	-	-	-
BMS 13-42C Type XII Class 2	Shielded	VJ	02	2	3	-	-	-	-
BMS 13-42C Type XII Class 3	Shielded	CJ	03	2	3	-	-	-	-
BMS 13-42C Type XII Class 3	Shielded	VK	03	2	3	-	-	-	-
BMS 13-42C Type XII Class 4	Shielded	CK	04	2	3	-	-	-	-
BMS 13-42C Type XII Class 4	Shielded	VL	04	2	3	-	-	-	-
BMS 13-46 Type 3 Class 1	Red, Wire Wrap	RA	01	-	-	4	-	-	-
BMS 13-46 Type 3 Class 1	Wire Wrap	RD	01	-	-	4	-	-	-
BMS 13-46 Type 3 Class 2	Wire Wrap	RE	02	-	-	4	-	-	-
BMS 13-46 Type 3 Class 3	Wire Wrap	RF	03	-	-	4	-	-	-
BMS 13-46 Type 3 Class 4	Wire Wrap	RG	04	-	-	4	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-46 Type 4 Class 1	Shielded, Wire Wrap	RS	01	-	-	4	-	-	-
BMS 13-46 Type 4 Class 2	Shielded, Wire Wrap	RT	02	-	-	4	-	-	-
BMS 13-46 Type 4 Class 3	Shielded, Wire Wrap	RW	03	-	-	4	-	-	-
BMS 13-46 Type 4 Class 4	Shielded, Wire Wrap	RX	04	-	-	4	-	-	-
BMS 13-48 Type 1 Class 1	-	DC	01	-	3	-	5	-	-
BMS 13-48 Type 1 Class 1	-	UF	01	-	-	4	-	-	-
BMS 13-48 Type 1 Class 2	-	DD	02	-	3	-	-	-	-
BMS 13-48 Type 1 Class 2	-	UG	02	-	-	4	-	-	-
BMS 13-48 Type 1 Class 3	-	DE	03	2	3	-	-	-	-
BMS 13-48 Type 1 Class 3	-	UH	03	-	-	4	-	-	-
BMS 13-48 Type 1 Class 4	-	DF	04	-	3	-	-	-	-
BMS 13-48 Type 10 Class 1	-	PA	01	-	3	4	5	6	7
BMS 13-48 Type 10 Class 1	White/Red	PH	01	-	3	4	5	6	7
BMS 13-48 Type 10 Class 1	Yellow	PJ	01	-	-	4	-	6	7
BMS 13-48 Type 10 Class 2	-	PB	02	-	3	4	5	6	7
BMS 13-48 Type 10 Class 3	-	PC	03	-	3	4	5	6	7
BMS 13-48 Type 10 Class 4	-	PD	04	-	3	4	5	6	7
BMS 13-48 Type 10 Class 5	-	PE	05	-	-	4	-	6	-
BMS 13-48 Type 10 Class 6	-	PF	06	-	-	4	-	6	-
BMS 13-48 Type 10 Class 7	-	PG	07	-	-	4	-	6	-
BMS 13-48 Type 11 Class 1	-	PK	01	-	3	4	-	6	7
BMS 13-48 Type 11 Class 1	White/Red	PP	01	-	-	4	-	6	7
BMS 13-48 Type 11 Class 2	-	PL	02	-	3	4	5	6	7
BMS 13-48 Type 11 Class 3	-	PM	03	-	3	4	5	6	7
BMS 13-48 Type 11 Class 4	-	PN	04	-	3	4	5	6	7
BMS 13-48 Type 12 Class 1	Yellow, Shielded	8Q	01	-	-	4	-	6	7
BMS 13-48 Type 12 Class 1	Shielded	FR	01	-	3	-	5	-	-
BMS 13-48 Type 12 Class 1	Shielded; not applicable before Line Number 1441	VF	01	-	3	-	-	-	-
BMS 13-48 Type 12 Class 1	Shielded	VF	01	-	-	4	5	6	7
BMS 13-48 Type 12 Class 1	White/Red, Shielded	XQ	01	-	-	4	-	6	7

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-48 Type 12 Class 1	Red, Shielded	YF	01	-	-	4	-	6	-
BMS 13-48 Type 12 Class 1	Shielded	YJ	01	-	-	4	-	-	-
BMS 13-48 Type 12 Class 2	Yellow, Shielded	3B	02	-	-	4	-	6	7
BMS 13-48 Type 12 Class 2	-	FN	02	-	3	-	5	-	-
BMS 13-48 Type 12 Class 2	Yellow, Shielded	V7	02	2	3	-	5	-	-
BMS 13-48 Type 12 Class 2	Shielded; not applicable before Line Number 1441	VG	02	-	3	-	-	-	-
BMS 13-48 Type 12 Class 2	Shielded	VG	02	-	-	4	5	6	7
BMS 13-48 Type 12 Class 2	Shielded	YG	02	-	-	4	-	-	-
BMS 13-48 Type 12 Class 3	Yellow, Shielded	4Q	03	-	-	4	-	-	7
BMS 13-48 Type 12 Class 3	Shielded	FP	03	-	3	-	-	-	-
BMS 13-48 Type 12 Class 3	Shielded; not applicable before Line Number 1441	VH	03	-	3	-	-	-	-
BMS 13-48 Type 12 Class 3	Shielded	VH	03	-	-	4	5	6	7
BMS 13-48 Type 12 Class 3	Shielded	WH	03	2	-	-	-	-	-
BMS 13-48 Type 12 Class 3	Shielded	YH	03	-	-	4	-	-	-
BMS 13-48 Type 12 Class 4	Shielded	U4	04	-	3	4	5	6	7
BMS 13-48 Type 12 Class 4	Shielded	VI	04	-	-	4	-	6	-
BMS 13-48 Type 13 Class 1	Shielded	WF	01	-	-	4	-	6	-
BMS 13-48 Type 13 Class 2	White/Red, Shielded	UI	02	-	-	4	-	-	-
BMS 13-48 Type 13 Class 2	Shielded	WG	02	-	-	4	-	6	-
BMS 13-48 Type 13 Class 3	Shielded	WH	03	-	-	4	-	6	-
BMS 13-48 Type 13 Class 4	Shielded	WI	04	-	-	4	-	6	-
BMS 13-48 Type 14 Class 2	-	YP	02	-	-	4	-	-	-
BMS 13-48 Type 14 Class 3	-	YW	03	-	-	4	-	-	-
BMS 13-48 Type 15 Class 1	Shielded	0A	01	-	-	-	-	-	7
BMS 13-48 Type 15 Class 2	Shielded	0B	02	-	-	-	-	-	7
BMS 13-48 Type 15 Class 3	Shielded	0C	03	-	-	-	-	6	7
BMS 13-48 Type 15 Class 4	Shielded	0D	04	-	-	-	-	-	7
BMS 13-48 Type 16 Class 1	-	5A	01	-	-	-	-	6	7
BMS 13-48 Type 16 Class 1	White/Red	5B	01	-	-	-	-	6	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-48 Type 16 Class 1	Yellow	5C	01	-	-	-	-	6	-
BMS 13-48 Type 16 Class 1	-	FM	01	-	3	-	-	-	-
BMS 13-48 Type 16 Class 2	-	5D	02	-	-	-	-	6	7
BMS 13-48 Type 16 Class 3	-	5E	03	-	-	-	-	6	7
BMS 13-48 Type 16 Class 3	Shielded	WJ	03	2	-	-	-	-	-
BMS 13-48 Type 16 Class 4	-	5F	04	-	-	-	-	6	-
BMS 13-48 Type 19 Class 4	-	7R	04	-	-	-	-	6	-
BMS 13-48 Type 22 Class 1	-	8R	01	-	-	4	-	6	7
BMS 13-48 Type 22 Class 1	White/Red	8S	01	-	-	4	-	6	7
BMS 13-48 Type 22 Class 1	-	WK	01	2	3	-	5	-	-
BMS 13-48 Type 22 Class 2	-	8J	02	-	-	-	-	6	7
BMS 13-48 Type 22 Class 3	-	RC	03	-	-	-	-	-	7
BMS 13-48 Type 22 Class 4	-	8H	04	-	-	-	-	-	7
BMS 13-48 Type 24 Class 1	Shielded	8C	01	-	-	4	-	6	7
BMS 13-48 Type 24 Class 1	White/Red, Shielded	8D	01	-	-	4	-	6	7
BMS 13-48 Type 24 Class 2	Shielded	8K	02	-	-	4	-	6	7
BMS 13-48 Type 24 Class 2	Shielded	WL	02	2	3	-	5	-	-
BMS 13-48 Type 24 Class 3	Shielded	8E	03	-	-	4	-	6	7
BMS 13-48 Type 24 Class 3	Shielded	WM	03	2	3	-	5	-	-
BMS 13-48 Type 24 Class 4	Shielded	7J	04	-	-	4	-	6	7
BMS 13-48 Type 25 Class 1	Shielded	R0	01	-	-	-	-	-	7
BMS 13-48 Type 25 Class 1	Yellow, Shielded	R9	01	-	-	4	-	-	7
BMS 13-48 Type 25 Class 1	White/Red, Shielded	RH	01	-	-	-	-	-	7
BMS 13-48 Type 25 Class 2	Yellow, Shielded	P2	02	-	-	4	-	-	7
BMS 13-48 Type 25 Class 2	Shielded	R1	02	-	-	-	-	-	7
BMS 13-48 Type 25 Class 3	Yellow, Shielded	P3	03	-	-	4	-	-	7
BMS 13-48 Type 25 Class 3	Shielded	R2	03	-	-	-	-	-	7
BMS 13-48 Type 25 Class 4	Shielded	R3	04	-	-	4	-	-	7
BMS 13-48 Type 25 Class 4	Yellow, Shielded	RB	04	-	-	-	-	-	7
BMS 13-48 Type 26 Class 1	Shielded	R4	01	-	-	-	-	-	7
BMS 13-48 Type 26 Class 2	Yellow, Shielded	P0	02	-	-	-	-	-	7

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-48 Type 26 Class 2	Shielded	R5	02	-	-	-	5	6	7
BMS 13-48 Type 26 Class 3	Yellow, Shielded	P1	03	-	-	-	-	-	7
BMS 13-48 Type 26 Class 3	Shielded	R6	03	-	-	-	-	-	7
BMS 13-48 Type 26 Class 4	Shielded	R7	04	-	-	-	-	-	7
BMS 13-48 Type 26 Class 5	Shielded	R8	05	-	3	-	-	-	7
BMS 13-48 Type 27 Class 1	Flat Conductor Shield	X1	01	-	3	-	5	6	-
BMS 13-48 Type 27 Class 2	Flat Conductor Shield	X2	02	-	3	-	5	6	-
BMS 13-48 Type 27 Class 3	Flat Conductor Shield	X3	03	-	3	-	5	6	-
BMS 13-48 Type 27 Class 4	Flat Conductor Shield	X4	04	-	3	-	5	6	-
BMS 13-48 Type 27 Class 5	White/Red, Flat Conductor Shield	X5	05	-	3	-	5	6	-
BMS 13-48 Type 27 Class 6	Yellow, Flat Conductor Shield	X6	06	-	-	-	-	6	-
BMS 13-48 Type 28 Class 1	Flat Conductor Shield	Y1	01	-	3	-	5	6	-
BMS 13-48 Type 28 Class 2	Flat Conductor Shield	Y2	02	-	3	-	5	6	7
BMS 13-48 Type 28 Class 3	Flat Conductor Shield	Y3	03	-	3	-	5	6	7
BMS 13-48 Type 28 Class 4	Flat Conductor Shield	Y4	04	-	3	-	5	6	-
BMS 13-48 Type 28 Class 5	Flat Conductor Shield	Y5	05	-	-	-	-	6	-
BMS 13-48 Type 3 Class 1	Shielded	DG	01	-	3	-	-	-	-
BMS 13-48 Type 3 Class 1	Yellow, Shielded	P5	01	-	-	4	-	6	-
BMS 13-48 Type 3 Class 1	Shielded	PQ	01	-	3	4	5	6	7
BMS 13-48 Type 3 Class 1	White/Red, Shielded	PU	01	-	-	4	-	6	-
BMS 13-48 Type 3 Class 2	Shielded	DH	02	-	3	-	-	-	-
BMS 13-48 Type 3 Class 2	Yellow, Shielded	P4	02	-	-	4	-	6	-
BMS 13-48 Type 3 Class 2	Shielded	PR	02	-	3	4	5	6	-
BMS 13-48 Type 3 Class 3	Shielded	DJ	03	2	3	-	-	-	-
BMS 13-48 Type 3 Class 3	Shielded	PS	03	-	3	4	5	6	7

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-48 Type 3 Class 4	Shielded	DK	04	-	3	-	-	-	-
BMS 13-48 Type 3 Class 4	Shielded	PT	04	-	3	4	5	6	-
BMS 13-48 Type 32 Class 2	Shielded	Y6	3	-	3	-	5	-	7
BMS 13-48 Type 32 Class 3	Shielded	Y7	4	-	3	-	5	-	7
BMS 13-48 Type 32 Class 4	Shielded	Y8	5	-	3	-	5	-	-
BMS 13-48 Type 4 Class 2	-	DL	02	-	3	-	-	-	-
BMS 13-48 Type 4 Class 3	-	DM	03	-	3	-	-	-	-
BMS 13-48 Type 4 Class 4	-	DN	04	-	3	-	-	-	-
BMS 13-48 Type 6 Class 1	Shielded	PV	01	-	-	4	-	6	-
BMS 13-48 Type 6 Class 2	Shielded	PW	02	-	-	4	-	6	-
BMS 13-48 Type 6 Class 2	Red, Shielded	PZ	02	-	-	4	-	6	-
BMS 13-48 Type 6 Class 3	Shielded	PX	03	-	-	4	-	6	-
BMS 13-48 Type 6 Class 4	Shielded	PY	04	-	-	4	-	6	-
BMS 13-48 Type 6 Class 5	Shielded	P6	05	-	-	4	-	6	-
BMS 13-48 Type 8 Class 1	Green	5S	01	-	-	4	-	6	-
BMS 13-48 Type 8 Class 1	-	UA	01	-	-	4	-	6	7
BMS 13-48 Type 8 Class 1	-	UN	01	2	3	-	5	-	-
BMS 13-48 Type 8 Class 1	-	US	01	-	-	4	-	-	-
BMS 13-48 Type 8 Class 1	Yellow	WD	01	2	-	-	-	-	-
BMS 13-48 Type 8 Class 1	White/Red	XG	01	-	-	4	-	6	7
BMS 13-48 Type 8 Class 1	Yellow	XP	01	-	-	4	-	6	7
BMS 13-48 Type 8 Class 1	-	YA	01	-	-	4	-	-	-
BMS 13-48 Type 8 Class 1	Red	YM	01	-	-	4	-	-	-
BMS 13-48 Type 8 Class 2	-	UB	02	-	-	4	-	6	7
BMS 13-48 Type 8 Class 2	-	WG	02	2	-	-	-	-	-
BMS 13-48 Type 8 Class 2	-	YB	02	-	-	4	-	-	-
BMS 13-48 Type 8 Class 2	-	YQ	02	-	-	4	-	-	-
BMS 13-48 Type 8 Class 3	Not applicable before Line Number 1441	UC	03	-	3	-	-	-	-
BMS 13-48 Type 8 Class 3	-	UC	03	-	-	4	-	6	7
BMS 13-48 Type 8 Class 3	-	WE	03	2	-	-	-	-	-

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-48 Type 8 Class 3	-	YC	03	-	-	4	-	-	-
BMS 13-48 Type 8 Class 3	-	YR	03	-	-	4	-	-	-
BMS 13-48 Type 8 Class 4	-	UD	04	-	-	4	-	6	7
BMS 13-48 Type 8 Class 4	-	WF	04	2	-	-	-	-	-
BMS 13-48 Type 8 Class 5	-	UW	05	-	-	4	-	-	-
BMS 13-48 Type 8 Class 6	-	UE	06	-	-	4	-	-	-
BMS 13-48 Type 8 Class 7	-	UN	07	-	-	4	-	-	-
BMS 13-48 Type 9 Class 1	-	VA	01	-	-	4	-	6	-
BMS 13-48 Type 9 Class 1	White/Red, Shielded	VJ	01	-	-	-	-	6	-
BMS 13-48 Type 9 Class 1	Black	VK	01	-	-	-	-	6	-
BMS 13-48 Type 9 Class 1	-	YS	01	-	-	4	-	-	-
BMS 13-48 Type 9 Class 2	-	VB	02	-	-	4	-	6	-
BMS 13-48 Type 9 Class 2	-	YT	02	-	-	4	-	-	-
BMS 13-48 Type 9 Class 3	-	VC	03	-	-	4	-	6	-
BMS 13-48 Type 9 Class 3	-	YU	03	-	-	4	-	-	-
BMS 13-48 Type 9 Class 4	-	VD	04	-	-	4	-	6	-
BMS 13-48 Type 9 Class 4	-	YV	04	-	-	4	-	-	-
BMS 13-5 Type I Class A	-	1X	01	2	3	-	-	-	-
BMS 13-5 Type I Class B	-	1Y	02	2	3	-	-	-	-
BMS 13-5 Type I Class C	-	1Z	03	2	3	-	-	-	-
BMS 13-5 Type III Class A	Shielded	3X	01	2	3	-	-	-	-
BMS 13-5 Type III Class B	Shielded	3Y	02	2	3	-	-	-	-
BMS 13-5 Type III Class C	Shielded	3Z	03	2	3	-	-	-	-
BMS 13-51 Type I Class 1	High Temperature	EJ	01	2	3	-	5	-	-
BMS 13-51 Type I Class 2	High Temperature	EK	02	2	3	-	-	-	-
BMS 13-51 Type I Class 3	High Temperature	EL	03	2	3	-	-	-	-
BMS 13-51 Type I Class 4	High Temperature	EM	04	2	3	-	-	-	-
BMS 13-51 Type III Class 1	Shielded, High Temperature	EN	01	2	3	-	-	-	-
BMS 13-51 Type III Class 2	Shielded, High Temperature	EP	02	2	3	-	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	707 Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-51 Type III Class 3	Shielded, High Temperature	EQ	03	2	3	-	-	-	-
BMS 13-51 Type III Class 4	Shielded, High Temperature	ER	04	2	3	-	-	-	-
BMS 13-51 Type IX Class 1	Shielded	2E	01	2	3	-	5	-	-
BMS 13-51 Type IX Class 2	Shielded	2F	02	2	3	-	5	-	-
BMS 13-51 Type IX Class 2	Blue, Shielded	8A	02	2	3	-	5	-	-
BMS 13-51 Type IX Class 3	Shielded	2G	03	2	3	-	5	-	-
BMS 13-51 Type IX Class 3	Blue, Shielded	8B	03	2	3	-	5	-	-
BMS 13-51 Type IX Class 4	Shielded	2H	04	2	3	-	5	-	-
BMS 13-51 Type IX Class 4	Blue, Shielded	8C	04	2	3	-	5	-	-
BMS 13-51 Type VI Class 2	Shielded	5Y	02	2	-	-	-	-	-
BMS 13-51 Type VII Class 2	-	5Z	02	2	3	-	5	-	-
BMS 13-51 Type VIII Class 1	-	2A	01	2	3	-	5	-	-
BMS 13-51 Type VIII Class 1	Red	2V	01	2	3	-	5	-	-
BMS 13-51 Type VIII Class 1	Yellow	2W	01	2	3	-	5	-	-
BMS 13-51 Type VIII Class 1	-	4D	01	-	-	4	-	6	-
BMS 13-51 Type VIII Class 2	-	2B	02	2	3	-	5	-	-
BMS 13-51 Type VIII Class 3	-	2C	03	2	3	-	5	-	-
BMS 13-51 Type VIII Class 4	-	2D	04	2	3	-	5	-	-
BMS 13-51 Type X Class 4	-	2S	04	-	3	-	-	-	-
BMS 13-51 Type X Class 6	-	2U	06	2	-	-	-	-	-
BMS 13-51 Type XI Class 1	-	2J	01	2	3	-	-	-	-
BMS 13-51 Type XI Class 1	-	6P	01	-	-	4	-	6	-
BMS 13-51 Type XI Class 2	-	2K	02	2	-	-	-	-	-
BMS 13-51 Type XI Class 2	-	6Q	02	-	-	-	-	6	-
BMS 13-51 Type XI Class 3	-	2L	03	2	3	-	5	-	-
BMS 13-51 Type XI Class 3	-	6R	03	-	-	-	-	6	-
BMS 13-51 Type XI Class 4	-	2M	04	2	3	-	5	-	-
BMS 13-51 Type XI Class 4	-	6S	04	-	-	-	-	6	-
BMS 13-51 Type XII Class 1	Shielded	2N	01	2	-	-	5	-	-
BMS 13-51 Type XII Class 1	-	6T	01	-	-	-	-	6	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-51 Type XII Class 2	Shielded	2P	02	2	3	-	5	-	-
BMS 13-51 Type XII Class 2	Shielded	6U	02	-	-	-	-	6	-
BMS 13-51 Type XII Class 3	Shielded	2Q	03	2	3	-	5	-	-
BMS 13-51 Type XII Class 3	Shielded	6V	03	-	-	-	-	6	-
BMS 13-51 Type XII Class 4	Shielded	2R	04	2	3	-	5	-	-
BMS 13-51 Type XII Class 4	Shielded	6W	04	-	-	-	-	6	-
BMS 13-51 Type XII Class 5	Shielded	2T	05	2	3	-	-	-	-
BMS 13-51 Type XIV Class 1	Red	5L	01	-	-	4	-	6	-
BMS 13-51 Type XIV Class 1	Green	5M	01	-	-	4	-	6	-
BMS 13-51 Type XIV Class 1	Yellow	5N	01	-	-	4	-	6	-
BMS 13-51 Type XIV Class 1	-	6A	01	2	3	4	5	6	-
BMS 13-51 Type XIV Class 1	Red	6V	01	2	3	-	5	-	-
BMS 13-51 Type XIV Class 1	Yellow	6W	01	2	3	-	5	-	-
BMS 13-51 Type XIV Class 1	White/Black	9W	01	2	3	-	5	-	-
BMS 13-51 Type XIV Class 1	White/Green	9X	01	2	3	-	5	-	-
BMS 13-51 Type XIV Class 1	White/Violet	9Y	01	-	3	-	5	-	-
BMS 13-51 Type XIV Class 1	White/Orange, Shielded, High Temperature	9Z	01	2	3	-	5	-	-
BMS 13-51 Type XIV Class 2	-	6B	02	2	3	4	5	6	-
BMS 13-51 Type XIV Class 3	-	6C	03	2	3	4	5	6	-
BMS 13-51 Type XIV Class 4	-	6D	04	2	3	4	5	6	-
BMS 13-51 Type XIV Class 6	-	4A	06	-	-	4	-	-	-
BMS 13-51 Type XIV Class 7	-	4B	07	-	-	4	-	-	-
BMS 13-51 Type XV Class 1	Red, Shielded	4C	01	-	-	4	-	6	-
BMS 13-51 Type XV Class 1	-	4K	01	-	-	-	-	6	-
BMS 13-51 Type XV Class 1	Yellow, Shielded	5P	01	-	-	4	-	6	-
BMS 13-51 Type XV Class 1	Shielded	6E	01	2	3	4	5	6	-
BMS 13-51 Type XV Class 1	Blue, Shielded	8J	01	2	3	-	5	-	-
BMS 13-51 Type XV Class 2	Shielded	6F	02	2	3	4	5	6	-
BMS 13-51 Type XV Class 2	Yellow, Shielded	8H	02	2	3	-	5	-	-
BMS 13-51 Type XV Class 2	Blue, Shielded	8K	02	2	3	-	5	-	-

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-51 Type XV Class 3	Shielded	6G	03	2	3	4	5	6	-
BMS 13-51 Type XV Class 3	Blue, Shielded	8L	03	2	3	-	5	-	-
BMS 13-51 Type XV Class 4	Shielded	6H	04	2	3	4	5	6	-
BMS 13-51 Type XV Class 4	Blue, Shielded	8M	04	2	3	-	5	-	-
BMS 13-51 Type XVI Class 4	-	6T	04	-	3	-	-	-	-
BMS 13-51 Type XVI Class 6	-	6U	06	2	3	-	-	-	-
BMS 13-51 Type XVII Class 1	-	6J	01	2	3	4	5	6	-
BMS 13-51 Type XVII Class 1	Red	6X	01	-	-	-	-	6	-
BMS 13-51 Type XVII Class 2	-	6K	02	2	3	4	5	6	-
BMS 13-51 Type XVII Class 3	-	6L	03	2	3	4	5	6	-
BMS 13-51 Type XVII Class 4	-	6M	04	2	3	4	5	6	-
BMS 13-51 Type XVIII Class 1	Red, Shielded	5B	01	-	-	4	-	-	-
BMS 13-51 Type XVIII Class 1	Shielded	5G	01	-	-	4	-	6	-
BMS 13-51 Type XVIII Class 1	Shielded	6N	01	2	3	-	5	-	-
BMS 13-51 Type XVIII Class 2	Shielded	5H	02	-	-	4	-	6	-
BMS 13-51 Type XVIII Class 2	Shielded	6P	02	2	3	-	5	-	-
BMS 13-51 Type XVIII Class 2	Blue, Shielded	8P	02	2	3	-	5	-	-
BMS 13-51 Type XVIII Class 3	Shielded	5J	03	-	-	4	-	6	-
BMS 13-51 Type XVIII Class 3	Shielded	6Q	03	2	3	-	5	-	-
BMS 13-51 Type XVIII Class 4	Shielded	5K	04	-	-	4	-	6	-
BMS 13-51 Type XVIII Class 4	Shielded	6R	04	2	3	-	5	-	-
BMS 13-51 Type XVIII Class 5	Shielded	6S	05	-	3	-	-	-	-
BMS 13-51 Type XXIX Class 1	-	5J	01	2	3	-	5	-	-
BMS 13-51 Type XXIX Class 2	-	5K	02	2	3	-	5	-	-
BMS 13-51 Type XXIX Class 3	-	5L	03	2	3	-	5	-	-
BMS 13-51 Type XXIX Class 4	-	5M	04	2	3	-	5	-	-
BMS 13-51 Type XXVI Class 1	-	5A	01	2	-	-	5	-	-
BMS 13-51 Type XXVI Class 1	Red	5V	01	2	-	-	5	-	-
BMS 13-51 Type XXVI Class 1	Yellow	5W	01	-	-	-	5	-	-
BMS 13-51 Type XXVI Class 1	-	7S	01	-	-	-	-	6	-
BMS 13-51 Type XXVI Class 1	Red	7T	01	-	-	-	-	6	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7()7 Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-51 Type XXVI Class 1	Green	7U	01	-	-	-	-	6	-
BMS 13-51 Type XXVI Class 1	Yellow	8T	01	-	-	-	-	6	-
BMS 13-51 Type XXVI Class 2	-	5B	02	2	-	-	5	-	-
BMS 13-51 Type XXVI Class 2	-	7V	02	-	-	-	-	6	-
BMS 13-51 Type XXVI Class 3	-	5C	03	2	-	-	5	-	-
BMS 13-51 Type XXVI Class 3	-	7W	03	-	-	-	-	6	-
BMS 13-51 Type XXVI Class 4	-	5D	04	2	-	-	5	-	-
BMS 13-51 Type XXVI Class 4	-	7X	04	-	-	-	-	6	-
BMS 13-51 Type XXVII Class 1	Shielded	5E	01	2	-	-	5	-	-
BMS 13-51 Type XXVII Class 1	Shielded	7Y	01	-	-	-	-	6	-
BMS 13-51 Type XXVII Class 2	Shielded	5F	02	2	-	-	5	-	-
BMS 13-51 Type XXVII Class 2	Shielded	8A	02	-	-	-	-	6	-
BMS 13-51 Type XXVII Class 3	Shielded	5G	03	2	3	-	5	-	-
BMS 13-51 Type XXVII Class 3	Shielded	8B	03	-	-	-	-	6	-
BMS 13-51 Type XXVII Class 4	Shielded	5H	04	2	-	-	5	-	-
BMS 13-51 Type XXVII Class 4	Shielded	8M	04	-	-	-	-	6	-
BMS 13-51 Type XXX Class 1	Shielded	5N	01	2	3	-	5	-	-
BMS 13-51 Type XXX Class 1	Red, Shielded	5S	01	-	-	-	5	-	-
BMS 13-51 Type XXX Class 1	Blue, Shielded	8D	01	2	3	-	5	-	-
BMS 13-51 Type XXX Class 2	Shielded	5P	02	2	3	-	5	-	-
BMS 13-51 Type XXX Class 2	Blue, Shielded	8E	02	2	3	-	5	-	-
BMS 13-51 Type XXX Class 3	Shielded	5Q	03	2	3	-	5	-	-
BMS 13-51 Type XXX Class 3	Red, Shielded	5U	03	-	-	-	5	-	-
BMS 13-51 Type XXX Class 3	Blue, Shielded	8F	03	2	3	-	5	-	-
BMS 13-51 Type XXX Class 4	Shielded	5R	04	-	-	-	5	-	-
BMS 13-51 Type XXX Class 4	Blue, Shielded	8G	04	2	3	-	5	-	-
BMS 13-52 Type IV	Teflon Expando Sleeve	S3	-	2	3	-	5	-	-
BMS 13-52 Type IV	Teflon Expando Sleeve	SF	-	-	3	4	5	6	7
BMS 13-52 Type V	Polyester Expando Sleeve	S1	-	2	3	-	5	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7()7 Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-52 Type 5	Polyester Expando Sleeve	SE	-	-	-	4	-	6	7
BMS 13-55 Type 1 Class 1	Fire Resistant	9B	01	-	-	4	-	-	-
BMS 13-55 Type 1 Class 1	Fire Resistant	9V	01	-	-	4	5	-	-
BMS 13-55 Type 1 Class 1	White, Fire Resistant	C6	01	-	-	-	-	6	7
BMS 13-55 Type 1 Class 1	Ni-Cu, High Temperature	VS	01	2	3	-	5	-	-
BMS 13-55 Type 1 Class 2	High Temperature	C7	02	-	-	4	-	6	-
BMS 13-55 Type 2 Class 1	Fire Resistant	9P	01	-	3	4	5	6	7
BMS 13-55 Type 2 Class 1	HSCA, High Temperature	VT	01	2	3	-	5	-	-
BMS 13-55 Type 3 Class 1	White, Nickel Plated Shield, High Temperature	C8	01	-	-	-	-	6	-
BMS 13-55 Type 3 Class 2	White, Nickel Plated Shield, High Temperature	C9	02	-	3	-	-	6	7
BMS 13-55 Type 3 Class 2	Nickel Plated Shield, Fire Resistant	E0	02	-	-	4	-	-	7
BMS 13-55 Type 3 Class 3	Nickel Plated Shield, Fire Resistant	E1	03	-	-	4	-	-	-
BMS 13-55 Type 4 Class 1	Nickel Plated Shield, Fire Resistant	9L	01	-	3	4	-	6	7
BMS 13-55 Type 4 Class 2	Nickel Plated Shield, Fire Resistant	9Q	02	-	-	4	-	-	7
BMS 13-55 Type 4 Class 2	Shielded, Fire Resistant	V5	02	-	-	-	5	-	-
BMS 13-55 Type 4 Class 3	Nickel Plated Shield, Fire Resistant	9T	03	-	-	4	5	6	7
BMS 13-55 Type 4 Class 3	Shielded, High Temperature	VZ	03	2	3	-	5	-	-
BMS 13-55 Type 5 Class 1	Fire Resistant	TJ	01	-	3	-	5	-	-
BMS 13-58 Type 1Class 1	High Temperature	BJ	01	-	-	4	-	6	7
BMS 13-58 Type 1Class 1	High Temperature	CQ	01	-	3	4	5	6	7
BMS 13-58 Type 1Class 1	High Temperature	W2	01	-	3	-	-	-	-
BMS 13-58 Type 1Class 1	High Temperature	W3	01	2	3	-	5	-	-
BMS 13-58 Type 5 Class 1	High Temperature	B6	01	-	3	4	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7()7 Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-58 Type 5 Class 1	Red, High Temperature	CE	01	-	-	-	-	-	7
BMS 13-58 Type 5 Class 2	High Temperature	B7	02	-	-	4	-	-	7
BMS 13-58 Type 5 Class 3	High Temperature	B8	03	-	-	4	-	-	7
BMS 13-58 Type 5 Class 4	High Temperature	CF	04	-	3	4	-	-	-
BMS 13-58 Type 7 Class 1	Nickel Plated Shield, High Temperature	B9	01	-	3	-	-	-	-
BMS 13-58 Type 7 Class 1	Red, Nickel Plated Shield, High Temperature	C5	01	-	-	-	-	-	7
BMS 13-58 Type 7 Class 2	Nickel Plated Shield, High Temperature	BE	02	-	-	-	-	-	7
BMS 13-58 Type 7 Class 3	Nickel Plated Shield, High Temperature	BZ	03	-	-	-	-	-	7
BMS 13-58 Type 7 Class 4	Nickel Plated Shield, High Temperature	C0	04	-	-	-	-	-	7
BMS 13-60 Type 1 Class 1	-	GA	01	-	3	-	5	-	-
BMS 13-60 Type 1 Class 1	White/Red	QA	01	-	3	-	5	-	-
BMS 13-60 Type 1 Class 1	Yellow	QB	01	-	3	-	5	-	-
BMS 13-60 Type 1 Class 1	White/Black	QC	01	-	3	-	-	-	-
BMS 13-60 Type 1 Class 1	White/Orange	QD	01	-	3	-	-	-	-
BMS 13-60 Type 1 Class 1	White/Violet	QE	01	-	3	-	-	-	-
BMS 13-60 Type 1 Class 1	White/Green	QF	01	-	3	-	-	-	-
BMS 13-60 Type 1 Class 2	-	GB	02	-	3	-	5	-	-
BMS 13-60 Type 1 Class 3	-	GC	03	-	3	-	5	-	-
BMS 13-60 Type 1 Class 4	-	GD	04	-	3	-	5	-	-
BMS 13-60 Type 10 Class 1	High Temperature, Do Not Solder AWG 24	HL	01	-	3	4	5	6	7
BMS 13-60 Type 10 Class 1	White/Red, High Temperature, Do Not Solder AWG 24	QZ	01	-	3	4	5	6	7
BMS 13-60 Type 10 Class 2	High Temperature, Do Not Solder AWG 24	HM	02	-	3	4	5	6	7

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7()7 Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-60 Type 10 Class 3	High Temperature, Do Not Solder AWG 24	HN	03	-	3	4	5	6	7
BMS 13-60 Type 10 Class 4	High Temperature, Do Not Solder AWG 24	HT	04	-	-	4	5	6	7
BMS 13-60 Type 11 Class 1	White/Red, Nickel Plated Shield, High Temperature	H9	01	-	3	4	-	-	7
BMS 13-60 Type 11 Class 1	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24	HP	01	-	3	4	5	6	7
BMS 13-60 Type 11 Class 2	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24	HQ	02	-	3	4	5	6	7
BMS 13-60 Type 11 Class 3	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24	HR	03	-	3	4	5	6	7
BMS 13-60 Type 11 Class 4	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24	HS	04	-	3	4	5	6	7
BMS 13-60 Type 12 Class 3	-	F#	03	-	3	-	-	-	-
BMS 13-60 Type 12 Class 8	High Temperature, Do Not Solder AWG 24	HU	08	-	3	-	-	-	-
BMS 13-60 Type 13 Class 1	Shielded	GT	01	-	3	-	5	-	-
BMS 13-60 Type 13 Class 1	White/Black	GY	01	-	3	-	5	-	-
BMS 13-60 Type 13 Class 1	Blue, Shielded	H1	01	-	-	-	5	-	-
BMS 13-60 Type 13 Class 1	Red, Shielded	H8	01	-	3	-	-	-	-
BMS 13-60 Type 13 Class 2	Shielded	GU	02	-	3	-	5	-	-
BMS 13-60 Type 13 Class 2	Blue, Shielded	H2	02	-	-	-	5	-	-
BMS 13-60 Type 13 Class 2	Yellow, Shielded	H5	02	-	-	-	5	-	-
BMS 13-60 Type 13 Class 3	Shielded	GV	03	-	3	-	5	-	-
BMS 13-60 Type 13 Class 3	Blue, Shielded	H3	03	-	-	-	5	-	-
BMS 13-60 Type 13 Class 4	Shielded	GW	04	-	3	-	5	-	-

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-60 Type 13 Class 4	Blue, Shielded	H4	04	-	-	-	5	-	-
BMS 13-60 Type 15 Class 1	Shielded, Do Not Solder AWG 24	G1	01	-	3	-	5	-	-
BMS 13-60 Type 15 Class 1	Blue, Shielded, Do Not Solder AWG 24	H6	01	-	-	-	5	-	-
BMS 13-60 Type 15 Class 2	Shielded, Do Not Solder AWG 24	G2	02	-	3	-	5	-	-
BMS 13-60 Type 15 Class 2	Blue, Shielded, Do Not Solder AWG 24	H7	02	-	-	-	5	-	-
BMS 13-60 Type 15 Class 3	Shielded, Do Not Solder AWG 24	G3	03	-	3	-	5	-	-
BMS 13-60 Type 15 Class 4	Shielded, Do Not Solder AWG 24	G4	04	-	3	-	5	-	-
BMS 13-60 Type 19 Class 1	High Temperature	QG	01	-	-	-	5	-	-
BMS 13-60 Type 2 Class 1	Yellow, Shielded	G7	01	-	-	-	5	-	-
BMS 13-60 Type 2 Class 1	Shielded	GE	01	-	3	-	5	-	-
BMS 13-60 Type 2 Class 1	Red, Shielded	H0	01	-	3	-	-	-	-
BMS 13-60 Type 2 Class 2	Shielded	GF	02	-	3	-	5	-	-
BMS 13-60 Type 2 Class 2	Blue, Shielded	QJ	02	-	-	-	5	-	-
BMS 13-60 Type 2 Class 3	Shielded	GG	03	-	3	-	5	-	-
BMS 13-60 Type 2 Class 3	Blue, Shielded	QK	03	-	-	-	5	-	-
BMS 13-60 Type 2 Class 4	Shielded	GH	04	-	-	-	5	-	-
BMS 13-60 Type 2 Class 4	Blue, Shielded	QL	04	-	-	-	5	-	-
BMS 13-60 Type 20 Class 1	Nickel Plated Shield, High Temperature	E4	01	-	3	4	-	-	-
BMS 13-60 Type 20 Class 2	Nickel Plated Shield, High Temperature	E5	02	-	3	4	-	-	-
BMS 13-60 Type 20 Class 3	Nickel Plated Shield, High Temperature	E6	03	-	3	4	-	-	-
BMS 13-60 Type 20 Class 4	Nickel Plated Shield, High Temperature	E7	04	2	3	4	-	6	-
BMS 13-60 Type 20 Class 1	Yellow, Nickel Plated Shield, High Temperature	E8	01	-	-	4	-	-	-
BMS13-60 Type 20 Class 2	Yellow, Nickel Plated Shield, High Temperature	E9	02	-	-	4	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-60 Type 20 Class 1	White/Red, Nickel Plated Shield, High Temperature	F0	01	-	-	4	-	-	-
BMS 13-60 Type 22 Class 1	Aluminum	QY	01	-	3	4	5	6	7
BMS 13-60 Type 22 Class 3	Al	0L	03	-	-	4	-	6	7
BMS 13-60 Type 24 Class 7	Shielded	HV	07	-	-	-	5	-	-
BMS 13-60 Type 25 Class 1	High Temperature, Adjacent Round Conductor Shields	HW	01	-	3	4	-	-	-
BMS 13-60 Type 25 Class 1	Yellow, High Temperature, Adjacent Round Conductor Shields	U7	01	-	-	4	-	-	-
BMS 13-60 Type 25 Class 2	High Temperature, Adjacent Round Conductor Shields	HX	02	-	3	4	5	-	-
BMS 13-60 Type 25 Class 2	Yellow, High Temperature, Adjacent Round Conductor Shields	U8	02	-	-	4	-	-	-
BMS 13-60 Type 25 Class 3	High Temperature, Adjacent Round Conductor Shields	HY	03	-	3	4	-	-	-
BMS 13-60 Type 25 Class 3	Yellow, High Temperature, Adjacent Round Conductor Shields	U9	03	-	-	4	-	-	-
BMS 13-60 Type 25 Class 4	Two Shields, High Temperature	HZ	04	-	3	-	-	-	-
BMS 13-60 Type 26 Class 1	Two Flat Conductor Shields	M4	01	-	3	-	-	-	-
BMS 13-60 Type 26 Class 2	Flat Conductor Shields, Not Adjacent	M5	02	-	3	-	5	-	-
BMS 13-60 Type 26 Class 3	Flat Conductor Shields, Not Adjacent	M6	03	-	3	-	-	-	-
BMS 13-60 Type 27 Class 1	High Temperature, Round Conductor Shields, Not Adjacent	M1	01	-	3	4	5	6	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-60 Type 27 Class 2	High Temperature, Round Conductor Shields, Not Adjacent	M2	02	-	3	4	-	-	-
BMS 13-60 Type 27 Class 3	High Temperature, Round Conductor Shields, Not Adjacent	M3	03	-	3	4	-	-	-
BMS 13-60 Type 3 Class 6	-	GJ	06	-	3	-	5	-	-
BMS 13-60 Type 33 Class 1	Flat Conductor Shield	N1	01	-	3	-	5	-	-
BMS 13-60 Type 33 Class 1	White/Red, Flat Conductor Shield	N9	01	-	3	-	-	-	-
BMS 13-60 Type 33 Class 2	Yellow, Flat Conductor Shield	N0	02	-	3	-	-	-	-
BMS 13-60 Type 33 Class 2	Flat Conductor Shield	N2	02	-	3	-	5	-	-
BMS 13-60 Type 33 Class 3	Flat Conductor Shield	N3	03	-	3	-	5	-	-
BMS 13-60 Type 33 Class 4	Flat Conductor Shield	N4	04	-	3	-	5	-	-
BMS 13-60 Type 34 Class 1	Flat Conductor Shield	N5	01	-	3	-	5	-	-
BMS 13-60 Type 34 Class 2	Flat Conductor Shield	N6	02	-	3	-	5	-	-
BMS 13-60 Type 34 Class 3	Flat Conductor Shield	N7	03	-	3	-	5	-	-
BMS 13-60 Type 34 Class 4	Flat Conductor Shield	N8	04	-	3	-	5	-	-
BMS 13-60 Type 4 Class 1	High Temperature, Do Not Solder AWG 24	GK	01	-	3	-	5	-	-
BMS 13-60 Type 4 Class 1	White/Red	GY	01	-	3	4	5	-	7
BMS 13-60 Type 4 Class 1	Blue, Do Not Solder AWG 24	QN	01	-	-	-	5	-	-
BMS 13-60 Type 4 Class 2	Do Not Solder AWG 24	GL	02	-	3	-	5	-	-
BMS 13-60 Type 4 Class 3	Do Not Solder AWG 24	GM	03	-	3	-	5	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-60 Type 4 Class 4	Do Not Solder AWG 24	GN	04	-	3	-	5	-	-
BMS 13-60 Type 44 Class 1	-	G5	01	-	3	-	-	-	-
BMS 13-60 Type 45 Class 1	-	G6	01	-	3	-	-	-	-
BMS 13-60 Type 46 Class 1	-	U1	01	-	-	4	-	-	-
BMS 13-60 Type 46 Class 1	White/Red	U6	01	-	-	4	-	-	-
BMS 13-60 Type 46 Class 2	-	U2	02	-	-	4	-	-	-
BMS 13-60 Type 46 Class 3	-	U3	03	-	-	4	-	-	-
BMS 13-60 Type 46 Class 4	-	U5	04	-	-	4	-	-	-
BMS 13-60 Type 5 Class 1	Shielded, Do Not Solder AWG 24	GP	01	-	-	-	5	-	7
BMS 13-60 Type 5 Class 1	Blue, Shielded, Do Not Solder AWG 24	QS	01	-	-	-	5	-	-
BMS 13-60 Type 5 Class 1	White/Red, Shielded, Do Not Solder AWG 24	QT	01	-	3	-	5	-	-
BMS 13-60 Type 5 Class 2	Shielded, Do Not Solder AWG 24	GQ	02	-	3	-	5	-	7
BMS 13-60 Type 5 Class 2	Blue, Shielded, Do Not Solder AWG 24	QU	02	-	-	-	5	-	-
BMS 13-60 Type 5 Class 3	Shielded, Do Not Solder AWG 24	GR	03	-	3	-	5	-	7
BMS 13-60 Type 5 Class 3	Blue, Shielded, Do Not Solder AWG 24	QV	03	-	-	-	5	-	-
BMS 13-60 Type 5 Class 3	White/Red, Shielded, Do Not Solder AWG 24	QW	03	-	-	-	5	-	-
BMS 13-60 Type 5 Class 4	Shielded, Do Not Solder AWG 24	GS	04	-	-	-	5	-	7
BMS 13-60 Type 5 Class 4	Blue, Shielded, Do Not Solder AWG 24	QX	04	-	-	-	5	-	-
BMS 13-60 Type 7 Class 1	High Temperature, Do Not Solder AWG 24	HA	01	-	3	4	5	6	7
BMS 13-60 Type 7 Class 2	High Temperature, Do Not Solder AWG 24	HB	02	-	3	4	5	6	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-60 Type 7 Class 3	High Temperature, Do Not Solder AWG 24	HC	03	-	3	4	5	6	7
BMS 13-60 Type 7 Class 4	High Temperature, Do Not Solder AWG 24	HD	04	-	3	4	5	-	-
BMS 13-60 Type 8 Class 1	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24	HE	01	-	3	4	5	6	7
BMS 13-60 Type 8 Class 2	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24	HF	02	-	3	4	5	6	7
BMS 13-60 Type 8 Class 3	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24	HG	03	-	3	4	5	-	-
BMS 13-60 Type 8 Class 4	Nickel Plated Shield, High Temperature, Do Not Solder AWG 24	HK	04	-	3	4	5	-	-
BMS 13-60 Type 9 Class 3	High Temperature, Do Not Solder AWG 24	HH	03	-	3	4	-	6	-
BMS 13-60 Type 9 Class 8	High Temperature, Do Not Solder AWG 24	HJ	08	-	3	-	-	-	-
BMS 13-65 Type 0E	Light Weight Coax	0E	01	-	3	4	-	6	7
BMS 13-65 Type 0F	Light Weight Coax	0F	01	-	3	4	5	6	7
BMS 13-65 Type 0G	Light Weight Coax	0G	01	-	3	4	5	6	7
BMS 13-65 Type 0H	Light Weight Coax	0H	01	-	3	4	5	6	7
BMS 13-65 Type 0J	Light Weight Coax	0J	01	-	3	4	5	6	7
BMS 13-65 Type 0K	Light Weight Coax	0K	01	-	3	4	5	6	7
BMS 13-67 Type 2 Class 1	Nickel Plated Shield, Fire Resistant	9U	01	-	-	4	-	6	-
BMS 13-72 Type 3 Class 4	Databus	FS	04	-	3	4	5	6	7
BMS 13-72 Type 4 Class 4	Databus	FT	04	-	3	4	5	6	7
BMS 13-72 Type 7 Class 2	Databus	FU	02	-	3	4	5	6	7
BMS 13-72 Type 8 Class 2	Databus	FY	02	-	3	4	5	6	7

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
BMS 13-8 Type I Class A	High Temperature	01	01	2	3	-	-	-	-
BMS 13-8 Type I Class A	Shielded	39	01	2	3	-	-	-	-
BMS 13-8 Type I Class A	Red, Fire Resistant	XM	01	-	-	4	-	-	-
BMS 13-8 Type II Class A	Shielded, High Temperature	02	01	2	3	-	-	-	-
BMS 13-8 Type III Class A	Shielded, High Temperature	37	01	2	3	-	-	-	-
BMS 13-8 Type III Class B	Shielded, High Temperature	38	02	2	-	-	-	-	-
BMS 13-80 Type 1 Class 2	-	F8	02	-	3	4	-	6	7
BMS 13-80 Type 2 Class 2	-	F9	02	-	3	4	-	6	7
BMS 13-81 Type 1	Protection Sleeve	SD	-	-	3	4	5	6	7
BS-G177, Uninyvin	-	4G	01	2	3	-	-	-	-
BS-G192, Uniefglass	High Temperature	4F	01	2	3	-	-	-	-
Ben-Har 1151 FRB, Bentley-Harris	Fiberglass Sleeve	SK	-	-	-	4	-	6	7
C42016260902, Judd	Shielded, 77 pf/ft	T1	01	-	-	-	-	-	7
C42016310902, Judd	Shielded, 91 pf/ft	T2	01	-	-	-	-	-	7
CFT-16-0-00	Sleeve, Convolutd Teflon	SA	-	-	-	4	-	6	7
CH10-0324-(), 287N5001-()	Insulated Jumper	ZC	-	-	-	-	5	-	-
CTC-0039-()-9/5-9, Raychem	Al-Ch, Thermocouple	DU	02	-	3	4	5	6	7
CTC-0039-20-9/5-9, Raychem	Al-Ch, Thermocouple	DT	02	-	3	-	5	-	-
CTC-0062-()-9/5-9, Raychem	Shielded, Al-Ch	TA	02	-	-	4	5	6	7
D3-7619-5/935, M81044/12-22	Shielded	JJ	5	-	3	-	-	-	-
D6-7619-5/915, V96906	-	4H	10	-	-	4	-	-	-
DM-F-2MFG, Matsushita Cable	Shielded	W8	05	-	-	-	5	-	-
ECC-VFP-876, Electronized Chemicals	Heat Shrinkable Polyolefin Sleeve	SC	-	-	-	4	-	6	7
EPD 2376, Raychem	Al-Ch, Thermocouple	YY	02	-	-	4	-	-	-
EPD 52236A, Raychem	Power Seat Cable	T0	06	-	-	-	-	-	7
EPD5386, Raychem	-	WL	01	-	-	4	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
FBTLS-260-()NA, Tensolite	High Temperature, BMS 13-60 Type 10 With Bondable Jacket	RN	01	-	3	-	-	-	-
FBTLS-260-1NJ-()NA, Tensolite	Shielded, High Temperature, BMS 13-60 Type 11 With Bondable Jacket	RK	01	-	3	-	-	-	-
FBTLS-260-2NJ-()NA, Tensolite	Shielded, High Temperature, BMS 13-60 Type 11 With Bondable Jacket	RL	02	-	3	-	-	-	-
FBTLS-260-3NJ-()NA, Tensolite	Shielded, High Temperature, BMS 13-60 Type 11 With Bondable Jacket	RM	03	-	3	-	-	-	-
Fiber Optic Cable Assembly	Fiber Optic Cable Assembly	F4	-	-	3	4	-	6	7
FSJ4-50, Andrew	Helix	WA	01	-	-	4	-	-	-
Gencote #125C, General Plastics	Fiberglass Sleeve	SG	-	-	-	4	-	6	7
H22-4000, Rockbestos	Red, Fire Resistant	XL	01	-	-	4	-	-	-
HB06681/70258T-1, Tensolite	Shielded	4T	01	-	-	4	-	-	-
JW647-99, Judd	HI-FLEX, Adjacent Round Conductor Shields	D9	2	-	-	-	-	-	7
KWN1108, Gore	Wire Wrap, Shielded	4U	02	-	-	4	-	-	-
LDF4RN-50A, Andrew	Coax	7Q	01	-	3	4	5	6	7
LWAC-144, Lewis	Al-Ch, Thermocouple, High Temperature	44	10	2	3	-	-	-	-
LWAC-99JX, Lewis	Al-Ch, Thermocouple, High Temperature	85	02	2	3	-	5	-	-
M22759/16-()-9, MIL-W-22759	-	9A	01	-	3	-	-	-	-
M23053/5 Class 1 or Class 3	Thermofit Sleeve; for alternatives, refer to Subject 20-00-11	S2	-	2	3	-	5	-	-
M25038/1-12-2, MIL-W-25038	Red, Fire Resistant	KB	01	-	3	-	-	-	-
M27500-()ML1T08, MIL-W-81044/12, MIL-C-27500	-	LE	01	-	-	4	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
M27500-()ML2T08, MIL-W-81044/12, MIL-C-27500	-	LH	02	-	-	4	-	-	-
M27500-()ML3T08, MIL-W-81044/12, MIL-C-27500	-	LL	03	-	-	4	-	-	-
M27500-()SB1T14, MIL-W-22759/32, MIL-C-27500	Shielded, Replaced M27500-()TG1T14 for AWG 22 - AWG 12	9E	01	-	3	-	5	-	-
M27500-()SB2T14, MIL-W-22759/32, MIL-C-27500	Shielded, Replaced M27500-()TG2T14 for AWG 22 - AWG 12	9F	02	-	3	-	-	-	7
M27500-()SB3T14, MIL-W-22759/32, MIL-C-27500	Shielded, Replaced M27500-()TG3T14 for AWG 22 - AWG 12	9G	03	-	3	-	-	-	-
M27500-()SB4T14, MIL-W-22759/32, MIL-C-27500	Shielded, Replaced M27500-()TG4T14 for AWG 22 - AWG 12	9H	04	-	3	-	-	-	-
M27500-()TG1T14, MIL-C-27500	Shielded, Replaced by M27500-()SB1T14 or M27500-24ST1T14	9E	01	-	3	-	-	-	-
M27500-()TG2T14, MIL-C-27500	Shielded, Replaced by M27500-()SB2T14 or M27500-24ST2T14	9F	02	-	3	-	-	-	7
M27500-()TG2U00, MIL-W-22759/16, MIL-W-27500	-	9B	02	-	3	-	-	-	-
M27500-()TG3T14, MIL-C-27500	Shielded, Replaced by M27500-()SB3T14 or M27500-24ST3T14	9G	03	-	3	-	-	-	-
M27500-()TG3U00, MIL-W-22759/16, MIL-W-27500	-	9C	03	-	3	-	5	-	-
M27500-()TG4T14, MIL-C-27500	Shielded, Replaced by M27500-()SB4T14 or M27500-24ST4T14	9H	04	-	3	-	-	-	-
M27500-()TG4U00, MIL-W-22759/16, MIL-W-27500	-	9D	04	-	3	-	5	-	-
M27500-20ML2T23, MIL-W-81044/12-20, MIL-C-27500	Shielded	4E	02	-	-	4	-	-	-
M27500-20ML4T04, MIL-W-81044/12-20, MIL-C-27500	Shielded	4G	04	-	-	4	-	-	-
M27500-20ML4T23, MIL-W-81044/12-20, MIL-C-27500	Shielded	4I	04	-	-	4	-	-	-

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WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	707 Model Wiring Diagram Manual					
				2	3	4	5	6	7
M27500-20RC2N06, MIL-W-22759/11-20, MIL-C-27500	Shielded, High Temperature	VN	02	-	-	4	-	-	-
M27500-20RE2N12, MIL-W-22759/12-20, MIL-C-27500	Shielded, High Temperature	CL	02	-	-	4	-	-	-
M27500-22ML2T23, MIL-W-81044/12-22, MIL-C-27500	Shielded	4F	02	-	-	4	-	-	-
M27500-24ST1T14, MIL-W-22759/46, MIL-C-27500	Shielded, Replaced M27500-24TG1T14	9E	01	-	3	-	5	-	-
M27500-24ST2T14, MIL-W-22759/46, MIL-C-27500	Shielded, Replaced M27500-24TG2T14	9F	02	-	3	-	-	-	7
M27500-24ST3T14, MIL-W-22759/46, MIL-C-27500	Shielded, Replaced M27500-24TG3T14	9G	03	-	3	-	-	-	-
M27500-24ST4T14, MIL-W-22759/46, MIL-C-27500	Shielded, Replaced M27500-()TG4T14	9H	04	-	3	-	-	-	-
M5086/2, MIL-W-5086	Triax	ZC	03	-	-	4	-	-	-
M5846-1E2/(), MIL-W-5486	Shielded, Thermocouple	KH	02	-	3	-	-	-	-
MI-5224, Times Wire Company	Coax	79	01	2	3	4	-	-	-
MIL-C-17/6, (RG-11A)	Coax	11	01	2	3	-	5	-	-
MIL-C-17/28, (RG-58C)	Coax	58	01	2	3	-	-	-	-
MIL-C-17/29, (RG-59B)	Coax	59	01	2	3	4	5	-	-
MIL-C-17/31, (RG-63B)	Coax	63	01	2	3	-	-	-	-
MIL-C-17/45, (RG-108A)	Twinax	DA	01	-	3	-	-	-	-
MIL-C-17/45, (RG-108A)	Twinax	TH	01	-	-	4	-	6	7
MIL-C-17/47, (RG-114A)	Coax	72	01	2	3	-	5	-	-
MIL-C-17/60, (RG-142B)	Coax	XZ	01	-	-	4	-	6	-
MIL-C-17/75, (RG-214)	Coax	73	01	2	3	4	-	6	-
MIL-C-17/84, (RG-223)	Coax	2Y	01	-	3	-	5	-	-
MIL-C-17/86, (RG-225)	Coax	CZ	01	-	3	-	-	-	-
MIL-C-17/90, (RG-71B)	Coax	71	01	2	3	-	-	-	-
MIL-C-17/93, (RG-178B)	Coax	TX	01	-	-	4	-	6	-
MIL-C-17/93, (RG-178B)	Coax	JU	01	-	3	-	-	-	-
MIL-C-17/94, (RG-179B)	Coax	JT	01	-	-	4	-	6	-
MIL-C-17/95, (RG-180B)	Coax	19	01	-	-	4	-	-	-

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7(7) Model Wiring Diagram Manual					
				2	3	4	5	6	7
MIL-C-17/95, (RG-195A)	Coax	WB	01	-	-	4	-	-	-
MIL-C-17/95, (RG-195A)	Coax	DP	01	2	3	-	-	-	-
MIL-C-17/97, (RG-210)	Coax	DQ	01	2	3	-	-	-	-
MIL-C-17/97, (RG-62B)	Coax	62	01	2	3	4	-	-	-
MIL-C-17/113, (RG-316)	Coax	74	01	-	-	4	-	6	7
MIL-C-17/113, (RG-316)	Coax	NJ	1	-	3	-	-	-	-
MIL-C-17/119, (RG-174)	Coax	XA	01	-	3	4	5	6	-
MIL-C-17/127, (RG-393)	Coax	JB	01	-	3	4	5	6	7
MIL-C-17/127, (RG-393)	Coax	XS	01	-	-	4	-	6	7
MIL-C-17/157, (RG-122)	Coax	CY	01	-	3	-	-	-	-
MIL-C-17/163, (RG-213)	Coax	XC	01	-	-	4	-	-	-
MIL-C-17/163, (RG-213)	Coax	83	01	2	3	-	-	-	-
MIL-C-17/163, (RG-8A)	Coax	08	01	2	3	-	-	-	-
MIL-C-17/167-00001, (RG-223)	Coax	17	01	-	3	-	5	-	-
MIL-C-17/167-00001, (RG-223)	Coax	XE	01	-	-	4	-	6	-
MIL-C-17/168, (RG-115A)	Coax	XF	01	-	-	4	-	6	-
MIL-C-17/169-00001, (RG-196)	Coax	CX	01	-	-	4	-	-	-
MIL-C-17/170, (RG-303)	Coax	77	01	-	-	4	-	-	-
MIL-C-22931/17, (RG-385)	Coax	XR	01	-	-	4	-	-	-
MIL-C-23806/1, (RG-231)	Coax	XT	01	-	-	4	-	-	-
MIL-C-23806/2, (RG-332)	Coax	XH	01	-	-	4	-	-	-
MIL-DTL-17/60, (RG-142B)	Coax	78	01	2	3	4	5	6	-
MIL-DTL-17/128, (RG-400)	Coax	75	01	-	-	4	-	-	-
MIL-DTL-17/128, (RG-400)	Coax	JA	01	-	-	4	-	-	-
MIL-DTL-17/134-0001	Triax, Shielded	76	01	-	-	4	-	-	-
MIL-W-16878, Sundstrand 704-0785	High Temperature	ES	02	2	3	-	-	-	-
MIL-W-16878, Sundstrand 704-0785	Shielded, High Temperature	ET	02	2	3	-	-	-	-
MIL-W-16878, Sundstrand 704-0785	High Temperature	EU	01	2	3	-	-	-	-
MIL-W-16878, Sundstrand 704-0785	Shielded, High Temperature	EV	01	2	3	-	-	-	-

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	707 Model Wiring Diagram Manual					
				2	3	4	5	6	7
MIL-W-22759/2	High Temperature	WU	01	-	-	4	-	6	-
MIL-W-5274A Type 3 Class A	-	74	01	2	-	-	-	-	-
MIL-W-7139B, MIL-W-7078	Shielded, High Temperature	14	02	2	3	-	-	-	-
MIL-W-7139B, MIL-W-7078	Shielded, High Temperature	15	01	2	3	-	-	-	-
MT-LN205/A, Vibro-Meter	Shielded, High Temperature	CV	02	2	3	-	-	-	-
N-9002, ITT	-	30	04	-	3	-	-	-	-
N-9004, ITT	-	28	02	-	3	-	-	-	-
NEC 1616MF, National Electric	-	VU	16	-	-	4	-	-	-
NEC 21044BC, National Electric	-	VR	06	-	-	4	-	-	-
NEC 210712BC, National Electric	Coax	VT	09	-	-	4	-	-	-
NEC 2416MF, National Electric	-	VV	24	-	-	4	-	-	-
NEC 282616BC, National Electric	-	VX	28	-	-	4	-	-	-
NEC 28616BC, National Electric	Coax	VS	08	-	-	4	-	-	-
NEC 28W, National Electric	Shielded	VQ	02	-	-	4	-	-	-
NEC 3616MF, National Electric	-	VW	36	-	-	4	-	-	-
Non Boeing Specified Wire	-	A#	-	-	-	4	-	6	7
Non Boeing Specified Wire	-	B#	-	-	-	4	-	6	7
Non Boeing Specified Wire	-	C#	-	-	-	4	-	6	7
Non Boeing Specified Wire	-	E#	-	-	-	4	-	6	-
P606671, Axon	High Temperature	V6	01	-	3	-	-	-	-
P606672, Axon	High Temperature	W7	01	-	3	-	-	-	-
P694694	Multi-Conductor	56	02	2	3	-	-	-	-
PMA-11, Lewis	Al-Ch, Thermocouple	MA	11	2	3	-	-	-	-
Penntube I, Pennsylvania Fluorocarbon	Teflon Sleeve	SB	-	-	-	4	-	-	7
RSS-5-191, MIL-W-7139	Coax, High Temperature	92	01	2	3	-	-	-	-
RSS-5-191, MIL-W-7139B	High Temperature	50	01	2	3	-	-	-	-
S280T001-1	Electrical P.E.S. Cable	7Z	06	-	-	-	-	6	-

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	707 Model Wiring Diagram Manual					
				2	3	4	5	6	7
S280T001-2	PSUD To PSUD Cable	7L	05	-	-	-	-	6	-
S280T004-1	Shielded, Audio Selector Cable	5Y	38	-	-	-	-	6	-
S280T004-1	Audio Selector Cable	P7	38	-	-	-	-	6	-
S280T004-1	Shielded, Audio Selector Cable	VA	38	-	-	-	5	-	-
S280T006-1	Spoiler Actuating Cable	7M	10	-	-	-	-	6	-
S280T006-2	Spoiler Actuating Cable, Shielded	7N	07	-	-	-	5	6	-
S280T006-2	Shielded, Spoiler Cable	VB	07	-	-	-	5	-	-
S280T007-1	Retractable Cable	8U	06	-	3	-	5	6	-
S280T007-1	Retractable Cable	VE	06	-	3	-	5	-	-
S280T007-2	Retractable Cable	W0	06	-	-	-	-	-	7
S280T007-3	Retractable Cable	2X	08	-	-	-	-	-	7
S280W501-11	Nickel Plated Shield, Fly-By-Wire, Flaperon	T5	13	-	-	-	-	-	7
S280W501-12	Nickel Plated Shield, Fly-By-Wire, Elevator	T6	19	-	-	-	-	-	7
S280W501-13	Nickel Plated Shield, Fly-By-Wire, Aileron	T7	13	-	-	-	-	-	7
S280W501-14	Nickel Plated Shield, Fly-By-Wire, Spoiler	T8	07	-	-	-	-	-	7
S280W501-15	Nickel Plated Shield, Fly-By-Wire, Rudder	T9	17	-	-	-	-	-	7
S280W502-1	100 ohm, Round Conductor Shield, Adjacent Flat Conductor Shield	0N	02	-	3	4	-	6	7
S280W502-3	100 ohm, Shielded Pair of Shielded Component Wires	0Q	04	-	3	4	-	6	7

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7()7 Model Wiring Diagram Manual					
				2	3	4	5	6	7
S280W502-4	100 ohm, Round Conductor Shield, Adjacent Flat Conductor Shield	0R	04	-	-	-	-	-	7
S280W502-5	100 ohm, Round Conductor Shield, Adjacent Flat Conductor Shield	0S	04	-	-	-	-	-	7
S280W502-6	100 ohm, Shielded	0T	02	-	3	4	5	6	7
SF-226, Times Wire Company	Coax, FEP 226	WD	01	-	-	4	-	-	-
SS-1222-70, Spectrastrap Cable	-	22	12	2	3	-	-	-	-
Supplier Equipment Shield Ground Wire	-	VE	06	-	-	-	-	6	7
T214, Times Wire Company	Coax	84	01	2	3	-	5	-	-
T8/A	Coax	05	01	2	3	-	5	-	-
Teflon Sleeve, Shrinkable (MIL-I-23053/12)	Heat Shrinkable Teflon Sleeve; for alternatives, refer to Subject 20-00-11	S4	-	2	3	4	5	6	7
TFE #3, Zeus Industrial Products	Perforated Teflon Sleeve, Thinwall	SM	-	-	-	-	-	-	7
TFE 2X Perforated, Chemplast	Perforated Teflon Sleeve	S8	-	-	3	4	5	6	7
TFE 2X, Chemplast	Sleeve, Standard	SJ	-	-	3	4	5	6	7
TFE 2X, Chemplast	Heat Shrinkable Teflon Sleeve	SZ	-	-	-	4	-	6	7
TFE 2XTW, Chemplast	Heat Shrinkable Teflon Sleeve, Thinwall	SQ	-	-	-	4	-	6	7
TFE 4X, Chemplast	Heat Shrinkable Teflon Sleeve, Standard	SP	-	-	3	4	5	6	7
TLS-200-1DSJ-20NA, Tensolite	Shielded, High Impedance	C2	01	-	3	-	-	-	-
TLS-200-1SJ-20NA, Tensolite	Shielded, Low Impedance	C1	01	-	3	-	-	-	-
TLS-200-2SJ-20NA, Tensolite	Silver Shield	C3	02	-	3	-	-	-	-
TLS-200-4SJ-20NA, Tensolite	Silver Shield	C4	04	-	3	-	-	-	-
Type 2100-1-(), Filotex	High Temperature	VR	01	-	3	-	-	-	-

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 2 (continued)

Wire Specification or Part Number	Notes	Wire Type Code	Number of Conductors	7()7 Model Wiring Diagram Manual					
				2	3	4	5	6	7
VE 3042, Vermillion Enterprises	Coax, Shielded	WN	02	-	-	4	-	-	-
VE 3043, Vermillion Enterprises	Shielded	WP	03	-	-	4	-	-	-
VE 556, Vermillion Enterprises	Shielded	WM	02	-	-	4	-	-	-
VSC-A1-10-17	Fiber Optic Cable	F1	-	-	-	4	-	-	-
Varglas Type HO or HP, Varflex	Fiberglass Sleeve, Green Or Tan	SL	-	-	-	4	-	6	7
Varglas Type HO or HP, Varflex	Fiberglass Sleeve, Silver Or Gray	SX	-	-	-	4	-	6	7
Varglas Type HO, Varflex	Fiberglass Sleeve, Green	S5	-	2	3	-	5	-	-
Varglas Type HP, Varflex	Fiberglass Sleeve, Tan	S6	-	-	-	-	5	-	-
Varglas, Varflex	Fiberglass Sleeve, Full Length	SY	-	-	-	4	-	6	7
WW500, Warren, MIL-W-7139B	Shielded, High Temperature	49	01	2	3	-	-	-	-
ZTZ-0550-SHN-15B, Zippertubing Company	Shield	Z3	-	-	-	4	-	-	-
ZTZ-0625-SHN-15B, Zippertubing Company	Shield	Z8	-	-	-	4	-	-	-
ZTZ-0875-SHN-15B, Zippertubing Company	Shield	Z2	-	-	-	4	-	-	-
ZTZ-1000-SHN-15B, Zippertubing Company	Shield	Z5	-	-	-	4	-	-	-
ZTZ-1125-SHN-15B, Zippertubing Company	Shield	Z7	-	-	-	4	-	-	-

3. ALTERNATIVE WIRES

This Data is located in Subject 20-00-14.

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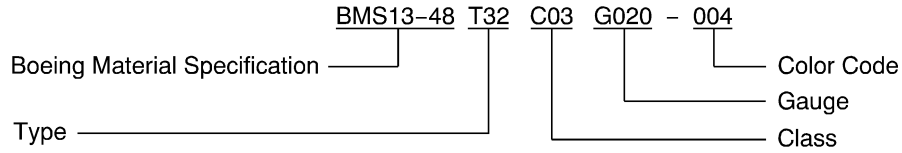
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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

4. BOEING STANDARD WIRE PART NUMBERS

A. Boeing Standard Wire Part Number Data



BOEING STANDARD WIRE PART NUMBER STRUCTURE

Figure 1

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 3
COLOR CODES FOR BOEING STANDARD WIRES

Boeing Standard Wire	Color Code	Color		
		Insulation or Jacket	First Stripe	Second Stripe
BMS13-48	000	Black	-	-
	001	Brown	-	-
	002	Red	-	-
	003	Orange	-	-
	004	Yellow	-	-
	005	Green	-	-
	006	Blue	-	-
	007	Violet	-	-
	008	Gray	-	-
	009	White	-	-
	00P	Pink	-	-
	063	Blue	Orange	-
	090	White	Black	-
	091	White	Brown	-
	092	White	Red	-
	093	White	Orange	-
	094	White	Yellow	-
	095	White	Green	-
	096	White	Blue	-
	097	White	Violet	-
	098	White	Gray	-
	09P	White	Pink	-
	921	White	Red	Brown
	924	White	Red	Yellow
	925	White	Red	Green
	926	White	Red	Blue
	927	White	Red	Violet

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STANDARD WIRING PRACTICES MANUAL
WIRE TYPE CODES
Table 3 (continued)

Boeing Standard Wire	Color Code	Color		
		Insulation or Jacket	First Stripe	Second Stripe
BMS13-55	000	Black	-	-
	001	Brown	-	-
	002	Red	-	-
	003	Orange	-	-
	004	Yellow	-	-
	005	Green	-	-
	006	Blue	-	-
	007	Violet	-	-
	008	Gray	-	-
	009	White	-	-
BMS13-58	A	Light Gray	-	-
	B	Blue	-	-
	E	Orange	-	-
	G	Green	-	-
	K	Black	-	-
	N	Brown	-	-
	R	Red	-	-
	V	Purple	-	-
	W	White	-	-
	Y	Yellow	-	-

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STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 3 (continued)

Boeing Standard Wire	Color Code	Color		
		Insulation or Jacket	First Stripe	Second Stripe
BMS13-60	000	Black	-	-
	001	Brown	-	-
	002	Red	-	-
	003	Orange	-	-
	004	Yellow	-	-
	005	Green	-	-
	006	Blue	-	-
	007	Violet	-	-
	008	Gray	-	-
	009	White	-	-
	00P	Pink	-	-
	063	Blue	Orange	-
	090	White	Black	-
	091	White	Brown	-
	092	White	Red	-
	093	White	Orange	-
	094	White	Yellow	-
	095	White	Green	-
	096	White	Blue	-
	097	White	Violet	-
	098	White	Gray	-
	09P	White	Pink	-
	921	White	Red	Brown
	924	White	Red	Yellow
	925	White	Red	Green
	926	White	Red	Blue
	927	White	Red	Violet

STANDARD WIRING PRACTICES MANUAL

WIRE TYPE CODES

Table 3 (continued)

Boeing Standard Wire	Color Code	Color		
		Insulation or Jacket	First Stripe	Second Stripe
BMS13-67	000	Black	-	-
	001	Brown	-	-
	003	Orange	-	-
	004	Yellow	-	-
	005	Green	-	-
	006	Blue	-	-
	007	Violet	-	-
	008	Gray	-	-
	009	White	-	-

Table 4

STANDARD COLORS FOR BOEING STANDARD WIRES

Boeing Standard Wire	Wire Size (AWG)	Standard Wire Color
BMS13-48	24	White
	22	Pastel Green
	20-4/0	White
BMS13-55	22-10	White/Red
BMS13-58 Rev A Thru D	24-4/0	Light Gray
BMS13-58 Rev E And On	24-4/0	White
BMS13-60	24	White
	22	Pastel Green
	20-4/0	White
BMS13-67	22-10	White/Red

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STANDARD WIRING PRACTICES MANUAL

ALERTNATIVE WIRE

<u>Paragraph</u>	<u>Page</u>
1. <u>ALTERNATIVE WIRES</u>	1
A. Applicable Conditions for Alternative Wire Data	1
B. Alternative Wire for a Specified Wire	1
C. Alternative Wires	1

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STANDARD WIRING PRACTICES MANUAL**ALTERNATIVE WIRE****1. ALTERNATIVE WIRES****A. Applicable Conditions for Alternative Wire Data**

These conditions are applicable for the Alternative Wire Data in Table 1:

- An Alternative Wire is satisfactory when it is not possible to find or get the wire that is specified in the wire list of the Wiring Diagram Manual (WDM) that is applicable for the airplane model
- The replacement of a Specified Wire by a wire that is not given in Table 1 as an Alternative Wire is not recommended
- Each Alternative Wire is applicable for all models.

NOTE: Boeing Service Engineering can supply more data to answer questions about the Alternative Wires.

These conditions are applicable when a Specified Wire is replaced with an Alternative Wire:

- The Alternative Wire must have the same number of conductors
- The Alternative Wire must have the same size of conductor
- The Alternative Wire must have the same color of the insulation or the outer jacket, if a special color is specified.

B. Alternative Wire for a Specified Wire

For the conditions that are applicable for Alternative Wires, refer to Paragraph 1.A.

CAUTION: THE REPLACEMENT OF A SPECIFIED WIRE BY A WIRE THAT IS NOT GIVEN IN TABLE 1 AS AN ALTERNATIVE WIRE IS NOT RECOMMENDED.

- (1) If it is necessary, find the Wire Specification or the Wire Part Number from the WTC. Refer to Subject 20-00-13.
- (2) Find the Specified Wire in Table 1.
- (3) Find an Alternative Wire for the Specified Wire.

Make sure that the special conditions for the Alternative Wire and the conditions of the system or circuit are obeyed.

C. Alternative Wires

For the conditions that are applicable for Alternative Wires, refer to Paragraph 1.A..

NOTE: The Specified Wire that is given in Table 1 is the Wire Specification or the Wire Part Number for:

- The Wire Type Code that is specified in the wire list of the Wiring Diagram Manual for models 727, 737, 747, 757, 767, and 777
- The wire that is specified in the 787 Schematics and Wiring data for model 787.

NOTE: Model 787 does not use wire type codes. Refer to 787 Schematics and Wiring data.

CAUTION: THE REPLACEMENT OF A SPECIFIED WIRE BY A WIRE THAT IS NOT GIVEN IN TABLE 1 AS AN ALTERNATIVE WIRE IS NOT RECOMMENDED.

NOTE: Boeing Service Engineering can supply more data to answer questions about the Alternative Wires.

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STANDARD WIRING PRACTICES MANUAL

ALTERNATIVE WIRE

Table 1
ALTERNATIVE WIRES

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
0024A0014	Raychem	831-4245270	Pirelli	Ships Bundles Only
08766/01147KE-3	Tensolite	BMS 13-60 Type 22 Class 3	Boeing	-
1/0766/9D032E-6	Tensolite	1/0TLA/02101E-6	Tensolite	-
1/0766/9D032E-6	Tensolite	30-05899	Champlain	-
1/0TLA/02101E-6	Tensolite	1/0766/9D032E-6	Tensolite	-
10-60233-1	Boeing	10-60233-7	Boeing	-
10-60233-3	Boeing	10-60233-9	Boeing	-
10-60233-4	Boeing	10-60233-10	Boeing	-
10-60816-1	Boeing	BMS 13-55 Type 4	Boeing	-
10-60816-11	Boeing	10-60816-43	Boeing	-
10-60816-13	Boeing	BMS 13-55 Type 2	Boeing	-
10-60816-13	Boeing	BMS 13-60 Type 10	Boeing	-
10-60816-15	Boeing	10-60816-45	Boeing	-
10-60816-16	Boeing	10-60816-46	Boeing	-
10-60816-17	Boeing	BMS 13-55 Type 5	Boeing	-
10-60816-19	Boeing	10-60816-47	Boeing	-
10-60816-2	Boeing	10-60816-36	Boeing	-
10-60816-21	Boeing	10-60816-49	Boeing	-
10-60816-22	Boeing	10-60816-50	Boeing	-
10-60816-23	Boeing	BMS 13-55 Type 2	Boeing	-
10-60816-26	Boeing	10-60816-52	Boeing	-
10-60816-27	Boeing	10-60816-53	Boeing	-
10-60816-31	Boeing	BMS 13-60 Type 10	Boeing	-
10-60816-4	Boeing	10-60816-38	Boeing	-
10-60816-56	Boeing	BMS 13-60 Type 10	Boeing	-
10-60816-62	Boeing	DM-F-2MF	Matsushita	-
10-60816-7	Boeing	10-60816-39	Boeing	-
10-60816-8	Boeing	10-60816-40	Boeing	-
10-60875-3	Boeing	M16878/5BGE2	QPL	-
10-61299-1	Boeing	10-61299-4	Boeing	-

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STANDARD WIRING PRACTICES MANUAL

ALTERNATIVE WIRE

Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
10-61299-2	Boeing	10-61299-5	Boeing	-
10-61299-6	Boeing	10-61299-5	Boeing	-
10-61299-6	Boeing	20531/9E039LL-4(TL)	Tensolite	-
1010-010	Specialty Cable	853-4125928	Specialty Cable	-
1010-020	Specialty Cable	852-4985321	Specialty Cable	-
1010-020	Thermax	852-4985321	Specialty Cable	-
1010-030	Specialty Cable	852-4106803	Specialty Cable	-
1010-040	Specialty Cable	852-4000303	Specialty Cable	-
1010-040	Specialty Cable	852-4985339	Specialty Cable	-
1010-040	Specialty Cable	852-4991980	Specialty Cable	-
1018CRAL	Thermax	852-4104717	Specialty Cable	-
10363	Raychem	7524D5011-()	Raychem	-
12621	Teledyne	BWC-890014-2-18	Barcel	-
12621/1 Type XXX Class 2	Teledyne	BMS 13-51 Type XXX Class 2	Boeing	-
12628 Type XXX Class 1	Teledyne	BMS 13-51 Type XXX Class 1	Boeing	-
13054 Type XXX Class 3	Teledyne	BMS 13-51 Type XXX Class 3	Boeing	-
170291	Thermax	BMS 13-58 Type V	Boeing	-
18480/9K105X-4(LD)	Tensolite	18480/9M140X-4(LD)	Tensolite	-
18480/9M140X-4(LD)	Tensolite	18480/9K140X-4(LD)	Tensolite	-
18734/41225KA-1	Tensolite	BMS 13-51 Type XXIX Class 1	Boeing	-
202-3836-000	Microdot	784-2ZXE	Thermax	-
204-15578-1	Boeing	707-1195	Thermax	-
204-17468-1, Twinax	Boeing	51-04570	Champlain	-
24-00033	Champlain	BMS 13-55 Type 2 Class 1	Boeing	AWG 18
24-00033	Champlain	BMS 13-55 Type 5 Class 1	Boeing	AWG 18
24-00034	Champlain	24-00523	Champlain	-
24-00034	Champlain	BMS 13-55 Type 2 Class 1	Boeing	AWG 16
24-00034	Champlain	BMS 13-55 Type 5 Class 1	Boeing	AWG 16
24-00115	Champlain	BMS 13-55 Type 5 Class 1	Boeing	AWG 16
24-00523	Champlain	24-00034	Champlain	-
252-94102, Al-Ch	Galite	852-4991980, Al-Ch	Specialty Cable	-

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Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
254-100338, Cu-Cn	Revere	852-4236774, Cu-Cn	Pirelli	-
262-62737, Al-Ch	Revere	852-4991972, Al-Ch	Specialty Cable	-
30-04373, Cu-Cn	Champlain	853-4221073, Cu-Cn	Pirelli	-
30-04373, Cu-Cn	Champlain	853-4310074, Cu-Cn	Pirelli	-
30-04680	Champlain	975-295	Thermax	-
30-04749	Champlain	975-295	Thermax	-
30-05899	Champlain	1/0766/9D032E-6	Tensolite	-
30-05899	Champlain	1/0TLA/02101E-6	Tensolite	-
411-63221, Cu-Cn	Revere	853-4125928, Cu-Cn	Pirelli	-
412-67587, Cu-Cn	Revere	853-4221073, Cu-Cn	Pirelli	-
421-166	Amphenol	7524D5011-()	Raychem	-
421-176	Amphenol	MIL-C-17/60, (RG-142)	QPL	-
44A7620-(), Al-Ch	Raychem	CTC-0039-()-9/5-9, Al-Ch	Raychem	-
5012F1339(),	Raychem	MIL-C-17/163, (RG-213)	QPL	-
5012H3012	Raychem	BA20048	ITT Surprenant	-
5020G3442	Raychem	AA-1500	Times Wire Company	-
5020G3442	Raychem	BA-14349	ITT Surprenant	-
5020G3442	Raychem	BA14349	ITT Surprenant	-
5020G3442	Raychem	MI-5406	Times Wire Company	-
5021D1331	Raychem	BA-5903A	ITT Surprenant	-
5021E1331()	Raychem	BA5903A	ITT Surprenant	-
5021K1011	Raychem	BA20049	ITT Surprenant	-
5026A1314-9	Raychem	5026D1018	Raychem	-
5026D1018	Raychem	5026A1314-9	Raychem	-
51-04569	Champlain	976-295	Thermax	-
51-04570	Champlain	204-17468-1, Twinax	Boeing	-
51-04570	Champlain	986-495	Thermax	-
51-04763	Champlain	831-4245379	Pirelli	-
51-04859	Champlain	977-295	Thermax	-
550-292	Thermax	61-02651	Champlain	-

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Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
551-292	Thermax	61-02783	Champlain	-
557-392	Thermax	BMS 13-60 Type 7 Class 3	Boeing	AWG 10
55A1211-10-9-9	Raychem	BMS 13-48 Type 12 Class 1	Boeing	AWG 10
55A1211-10-9-9	Raychem	C4201358	Judd	-
55A8707	Raychem	55PC8707	Raychem	-
55PC8707	Raychem	55A8707	Raychem	-
6.55E + 04	Raychem	BA5903A	ITT Surprenant	-
61-02651	Champlain	550-292	Thermax	-
61-02783	Champlain	551-292	Thermax	-
621-1292	Thermax	BMS 13-58 Type 1 Class 1	Boeing	-
621-1292	Thermax	BMS 13-58 Type 1 Class 3	Boeing	-
63546	Filotex	BMS 13-55 Type 4 Class 2	Boeing	-
63546	Filotex	BMS 13-8 Type III Class A	Boeing	-
63832	Filotex	BMS 13-55 Type 4	Boeing	-
65B47866-5	Boeing	SS72016	Thermax	-
689-295	Thermax	831-4245270	Specialty Cable	-
691-295	Thermax	AA6343	Times Wire Company	-
707-1195	Thermax	204-15578-1	Boeing	-
7120D0011()	Raychem	BA6848	ITT Surprenant	-
744-597	Thermax	831-4245379	Specialty Cable	-
7524D5011-()	Raychem	10363	Raychem	-
7524D5011-()	Raychem	421-166	Amphenol	-
7524D5011-()	Raychem	BA6416A	ITT Surprenant	-
784-2ZXE	Thermax	202-386-0000	Microdot	-
81993	Filotex	BMS 13-55 Type 2 Class 1	Boeing	AWG 18
8220D0011()	Raychem	BA6580	ITT Surprenant	-
831-4245270	Specialty Cable	0024A0014	Raychem	-
831-4245270	Specialty Cable	689-295	Thermax	-
831-4245270	Specialty Cable	977-295	Thermax	-
831-4245379	Pirelli	51-04763	Champlain	-
831-4245379	Specialty Cable	744-597	Thermax	-

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Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
852-4000303, Al-Ch	Pirelli	852-4991980, Al-Ch	Specialty Cable	-
852-4000303	Specialty Cable	1010-030	Thermax	-
852-4000303	Specialty Cable	852-4881728	Specialty Cable	-
852-4104717, Al-Ch	Pirelli	1018CRAL	Thermax	-
852-4104717, Al-Ch	Pirelli	852-4991972, Al-Ch	Specialty Cable	-
852-4106803	Specialty Cable	1010-040	Specialty Cable	-
852-4207072, Al-Ch	Pirelli	852-4985321, Al-Ch	Specialty Cable	-
852-4236774, Cu-Cni	Pirelli	254-100338, Cu-Cn	Revere	-
852-4236774, Cu-Cn	Pirelli	LWC-160, Cu-Cn	Lewis	-
852-4985321, Al-Ch	Specialty Cable	852-4207072, Al-Ch	Pirelli	-
852-4985321	Specialty Cable	1010-020	Thermax	-
852-4985339	Specialty Cable	1010-030	Specialty Cable	-
852-4991972, Al-Ch	Specialty Cable	262-62737, Al-Ch	Revere	-
852-4991972, Al-Ch	Specialty Cable	852-4104717, Al-Ch	Pirelli	-
852-4991972, Al-Ch	Specialty Cable	LWAC-99, Al-Ch	Lewis	-
852-4991972, Al-Ch	Specialty Cable	WC-62737, Al-C	Revere	-
852-4991980	Specialty Cable	252-94102, Al-C	Galite	-
852-4991980	Specialty Cable	852-4000303, Al-Ch	Pirelli	-
852-4991980	Specialty Cable	1010-040	Specialty Cable	-
852-4991980	Specialty Cable	852-4881728	Specialty Cable	-
853-4125928, Cu-Cn	Pirelli	411-63221, Cu-Cn	Revere	-
853-4125928, Cu-Cn	Pirelli	WW-63221, Cu-Cn	Revere	-
853-4125928	Specialty Cable	1010-010	Specialty Cable	-
853-4218376, Al-Ch	Pirelli	WC101767, Al-Ch	Pirelli	-
853-4221073, Cu-Cn	Pirelli	30-04373, Cu-Cn	Champlain	-
853-4221073, Cu-Cn	Pirelli	412-67587, Cu-Cn	Revere	-
853-4221073, Cu-Cn	Pirelli	853-4310074, Cu-Cn	Pirelli	-
853-4221073, Cu-Cn	Pirelli	WW67587, Cu-Cn	Revere	-
853-4221172, Al-Ch	Pirelli	WC-101763, Al-Ch	Revere	-
853-4310074, Cu-Cn	Pirelli	30-04373, Cu-Cn	Champlain	-
853-4310074, Cu-Cn	Pirelli	853-4221073, Cu-Cn	Pirelli	-

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Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
85842	Filotex	BMS 13-55 Type 2 Class 1	Boeing	AWG 16
975-295	Thermax	30-04680	Champlain	-
975-295	Thermax	30-04749	Champlain	-
976-295	Thermax	51-04569	Champlain	-
977-295	Thermax	51-04859	Champlain	-
977-295	Thermax	831-4245270	Specialty Cable	-
986-495	Thermax	51-04570	Champlain	-
986-495	Thermax	BL 782	Times Wire Company	-
AA-1500	Times Wire Company	5020G3442	Raychem	-
AA6343	Times Wire Company	691-295	Thermax	-
BA-14349	ITT Surprenant	5020G3442	Raychem	-
BA-5903A	ITT Surprenant	6.55E + 04	Raychem	-
BA-5903A	ITT Surprenant	5021D1331	Raychem	-
BA14349	ITT Surprenant	5020G3442	Raychem	-
BA20048	ITT Surprenant	5012H3012	Raychem	-
BA20049	ITT Surprenant	5021K1011	Raychem	-
BA5903A	ITT Surprenant	5021E1331()	Raychem	-
BA6416A	ITT Surprenant	7524D5011-()	Raychem	-
BA6580	ITT Surprenant	8220D001	Raychem	-
BA6848	ITT Surprenant	7120D0011()	Raychem	-
BL 782	Times Wire Company	986-495	Thermax	-
BMS 13-10 Type 1	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-10 Type 1	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-10 Type 3	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-10 Type 3	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-10 Type 4	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-10 Type 4	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-11 Type I	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-11 Type I	Boeing	BMS 13-60 Type 1	Boeing	-

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Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
BMS 13-11 Type II	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-11 Type II	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-11 Type V	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-11 Type V	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-13 Type I	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-13 Type I	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-13 Type III	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-13 Type III	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-13 Type IV	Boeing	BMS 13-60 Type 3	Boeing	-
BMS 13-16 Type 1	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-16 Type 1	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-16 Type 1	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-16 Type 1 Class 1	Boeing	BMS 13-48 Type 11 Class 1	Boeing	AWG 24
BMS 13-16 Type 1 Class 1	Boeing	BMS 13-60 Type 4 Class 1	Boeing	AWG 24
BMS 13-16 Type 3	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-16 Type 3	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-18 Type I	Boeing	BMS 13-60 Type 7	Boeing	-
BMS 13-18 Type III	Boeing	BMS 13-60 Type 8	Boeing	-
BMS 13-18 Type IV	Boeing	BMS 13-60 Type 9	Boeing	-
BMS 13-28	Boeing	BMS 13-31	Boeing	Same Type, Class, AWG, and Color, AWG 22 through AWG 8
BMS 13-28	Boeing	BMS 13-58	Boeing	Same Type, Class, AWG, and Color
BMS 13-29 Type I	Boeing	BMS 13-60 Type 7	Boeing	-
BMS 13-30 Type I	Boeing	BMS 13-48 Type 11	Boeing	-
BMS 13-30 Type I	Boeing	BMS 13-60 Type 4	Boeing	-
BMS 13-30 Type III	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-30 Type III	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire

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Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
BMS 13-30 Type III	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-31	Boeing	BMS 13-58	Boeing	Same Type, Class, AWG, and Color
BMS 13-31 Type I	Boeing	BMS 13-60 Type 7	Boeing	-
BMS 13-31 Type III	Boeing	BMS 13-60 Type 8	Boeing	-
BMS 13-31 Type IV	Boeing	BMS 13-60 Type 9	Boeing	-
BMS 13-31 Type V	Boeing	BMS 13-60 Type 10	Boeing	-
BMS 13-31 Type VII	Boeing	BMS 13-60 Type 11	Boeing	-
BMS 13-31 Type VIII	Boeing	BMS 13-60 Type 12	Boeing	-
BMS 13-35 Type 1	Boeing	BMS 13-60 Type 22	Boeing	AWG 8 Through AWG 4/0
BMS 13-38 Type I	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-38 Type I	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-38 Type I	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-38 Type V	Boeing	BMS 13-48 Type 11	Boeing	-
BMS 13-38 Type V	Boeing	BMS 13-48 Type 9	Boeing	-
BMS 13-38 Type V	Boeing	BMS 13-60 Type 4	Boeing	-
BMS 13-39 Type I	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-39 Type I	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-39 Type III	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-39 Type III	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-39 Type V	Boeing	BMS 13-48 Type 11	Boeing	-
BMS 13-39 Type V	Boeing	BMS 13-60 Type 4	Boeing	-
BMS 13-39 Type VI	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-39 Type VI	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-39 Type VI	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-39 Type VI	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-40 Type I	Boeing	BMS 13-35 Type I	Boeing	-
BMS 13-42 Type I	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-42 Type I	Boeing	BMS 13-48 Type 8	Boeing	-

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Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
BMS 13-42 Type I	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-42 Type IX	Boeing	BMS 13-48 Type 9	Boeing	-
BMS 13-42 Type VIII	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-42 Type VIII	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-42 Type XII	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-42 Type XII	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-42 Type XIII	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-42 Type XIII	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-42 Type XIII	Boeing	BMS 13-60 Type 5	Boeing	-
BMS13-46T03C01G026	Boeing	BMS13-46T03G01G02600N	Boeing	-
BMS13-46T04C01G026	Boeing	BMS13-46T04C01G02600N	Boeing	-
BMS 13-48 Type 1	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-48 Type 1	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-48 Type 1	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-48 Type 10	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-48 Type 10	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-48 Type 11	Boeing	BMS 13-48 Type 9	Boeing	-
BMS 13-48 Type 11	Boeing	BMS 13-60 Type 4	Boeing	-
BMS 13-48 Type 12	Boeing	BMS 13-48 Type 15	Boeing	-
BMS 13-48 Type 12	Boeing	BMS 13-60 Type 13	Boeing	-
BMS 13-48 Type 12	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-48 Type 12 Class 1	Boeing	55A1211-10-9-9	Raychem	AWG 10
BMS 13-48 Type 13	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-48 Type 13	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-48 Type 14	Boeing	BMS 13-48 Type 16	Boeing	-
BMS 13-48 Type 14	Boeing	BMS 13-60 Type 7	Boeing	Do Not Solder Alternative Wire
BMS 13-48 Type 16	Boeing	BMS 13-48 Type 22	Boeing	-

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Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
BMS 13-48 Type 22	Boeing	BMS 13-60 Type 10	Boeing	Do Not Solder Alternative Wire
BMS 13-48 Type 24	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-48 Type 24	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-48 Type 25	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-48 Type 25	Boeing	BMS 13-48 Type 3	Boeing	-
BMS 13-48 Type 25	Boeing	BMS 13-60 Type 13	Boeing	-
BMS 13-48 Type 25	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-48 Type 25	Boeing	BMS 13-60 Type 33	Boeing	-
BMS 13-48 Type 26	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-48 Type 26	Boeing	BMS 13-48 Type 28	Boeing	-
BMS 13-48 Type 26	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-48 Type 26	Boeing	BMS 13-48 Type 6	Boeing	-
BMS 13-48 Type 26	Boeing	BMS 13-60 Type 15	Boeing	-
BMS 13-48 Type 26	Boeing	BMS 13-60 Type 34	Boeing	-
BMS 13-48 Type 26	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-48 Type 27	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-48 Type 27	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-48 Type 27	Boeing	BMS 13-60 Type 33	Boeing	-
BMS 13-48 Type 28	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-48 Type 28	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-48 Type 28	Boeing	BMS 13-60 Type 34	Boeing	-
BMS 13-48 Type 28	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-48 Type 3	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-48 Type 3	Boeing	BMS 13-60 Type 13	Boeing	-
BMS 13-48 Type 3	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-48 Type 32	Boeing	BMS 13-60 Type 15	Boeing	-

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Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
BMS 13-48 Type 32	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-48 Type 6	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-48 Type 6	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-48 Type 6	Boeing	BMS 13-60 Type 15	Boeing	-
BMS 13-48 Type 6	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-48 Type 8	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-48 Type 8	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-48 Type 9	Boeing	BMS 13-48 Type 11	Boeing	-
BMS 13-48 Type 9	Boeing	BMS 13-60 Type 4	Boeing	-
BMS 13-49 Type VIII	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-51 Type I	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-51 Type I	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-51 Type III	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-51 Type III	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-51 Type IX	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-51 Type IX	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-51 Type VI	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-51 Type VI	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-51 Type VI	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-51 Type VIII	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-51 Type VIII	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-51 Type VIII	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-51 Type X	Boeing	BMS 13-60 Type 3	Boeing	-
BMS 13-51 Type XI	Boeing	BMS 13-48 Type 11	Boeing	-
BMS 13-51 Type XI	Boeing	BMS 13-48 Type 9	Boeing	-
BMS 13-51 Type XI	Boeing	BMS 13-60 Type 4	Boeing	Do Not Solder Alternative Wire
BMS 13-51 Type XII	Boeing	BMS 13-48 Type 13	Boeing	-

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Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
BMS 13-51 Type XII	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-51 Type XII	Boeing	BMS 13-48 Type 6	Boeing	-
BMS 13-51 Type XII	Boeing	BMS 13-60 Type 5	Boeing	Do Not Solder Alternative Wire
BMS 13-51 Type XIV	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-51 Type XIV	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-51 Type XIV	Boeing	BMS 13-60 Type 1	Boeing	-
BMS 13-51 Type XV	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-51 Type XV	Boeing	BMS 13-48 Type 3	Boeing	-
BMS 13-51 Type XV	Boeing	BMS 13-60 Type 13	Boeing	-
BMS 13-51 Type XV	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-51 Type XVI	Boeing	BMS 13-60 Type 3	Boeing	-
BMS 13-51 Type XVII	Boeing	BMS 13-48 Type 11	Boeing	-
BMS 13-51 Type XVII	Boeing	BMS 13-48 Type 9	Boeing	-
BMS 13-51 Type XVII	Boeing	BMS 13-60 Type 4	Boeing	Do Not Solder Alternative Wire
BMS 13-51 Type XVIII	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-51 Type XVIII	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-51 Type XVIII	Boeing	BMS 13-48 Type 6	Boeing	-
BMS 13-51 Type XVIII	Boeing	BMS 13-60 Type 15	Boeing	Do Not Solder Alternative Wire
BMS 13-51 Type XVIII	Boeing	BMS 13-60 Type 5	Boeing	Do Not Solder Alternative Wire
BMS 13-51 Type XXIX	Boeing	BMS 13-48 Type 11	Boeing	-
BMS 13-51 Type XXIX	Boeing	BMS 13-60 Type 4	Boeing	-
BMS 13-51 Type XXVI	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-51 Type XXVI	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-51 Type XXVI	Boeing	BMS 13-60 Type 1	Boeing	-

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STANDARD WIRING PRACTICES MANUAL

ALTERNATIVE WIRE

Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
BMS 13-51 Type XXVII	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-51 Type XXVII	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-51 Type XXX	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-51 Type XXX	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-51 Type XXX	Boeing	BMS 13-48 Type 6	Boeing	-
BMS 13-51 Type XXX	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-55 Type 1	Boeing	BMS 13-55 Type 2	Boeing	-
BMS 13-55 Type 2	Boeing	BMS 13-55 Type 5	Boeing	-
BMS 13-55 Type 2 Class 1	Boeing	81993	Filotex	AWG 18
BMS 13-55 Type 2 Class 1	Boeing	85842	Filotex	AWG 16
BMS 13-55 Type 4	Boeing	63832	Filotex	-
BMS 13-55 Type 4 Class 2	Boeing	63546	Filotex	-
BMS 13-55 Type 5	Boeing	BMS 13-55 Type 2	Boeing	-
BMS 13-58 Type 1	Boeing	BMS 13-58 Type 5	Boeing	-
BMS 13-58 Type 1	Boeing	BMS 13-60 Type 7	Boeing	747/767/777 Only
BMS 13-58 Type 1 Class 3	Boeing	621-1292	Thermax	AWG 8
BMS 13-58 Type 3	Boeing	BMS 13-60 Type 8	Boeing	747/767/777 Only
BMS 13-58 Type 5	Boeing	170291	Thermax	-
BMS 13-58 Type 5	Boeing	BMS 13-60 Type 10	Boeing	747/767/777 Only
BMS 13-58 Type 7	Boeing	BMS 13-60 Type 11	Boeing	747/767/777 Only
BMS 13-60 Type 1	Boeing	BMS 13-48 Type 10	Boeing	-
BMS 13-60 Type 1	Boeing	BMS 13-48 Type 8	Boeing	-
BMS 13-60 Type 1	Boeing	BMS 13-60 Type 7	Boeing	Do Not Solder Alternative Wire
BMS 13-60 Type 1 Class 1	Boeing	55PC6121-18-900	Raychem	AWG 18, White/Black
BMS 13-60 Type 1 Class 1	Boeing	55PC6121-20-900	Raychem	AWG 20, White/Black

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STANDARD WIRING PRACTICES MANUAL

ALTERNATIVE WIRE

Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
BMS 13-60 Type 1 Class 1	Boeing	55PC6121-22-900	Raychem	AWG 22, White/Black
BMS 13-60 Type 10	Boeing	BMS 13-58 Type 5	Boeing	-
BMS 13-60 Type 11	Boeing	BMS 13-58 Type 7	Boeing	-
BMS 13-60 Type 12	Boeing	BMS 13-31 Type 8	Boeing	-
BMS 13-60 Type 12	Boeing	BMS 13-58 Type 8	Boeing	-
BMS 13-60 Type 13	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-60 Type 13	Boeing	BMS 13-48 Type 3	Boeing	-
BMS 13-60 Type 13	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-60 Type 15	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-60 Type 15	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-60 Type 15	Boeing	BMS 13-48 Type 6	Boeing	-
BMS 13-60 Type 15	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-60 Type 2	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-60 Type 2	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-60 Type 2	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-60 Type 33	Boeing	BMS 13-48 Type 12	Boeing	-
BMS 13-60 Type 33	Boeing	BMS 13-48 Type 25	Boeing	-
BMS 13-60 Type 33	Boeing	BMS 13-48 Type 27	Boeing	-
BMS 13-60 Type 33	Boeing	BMS 13-60 Type 2	Boeing	-
BMS 13-60 Type 34	Boeing	BMS 13-48 Type 13	Boeing	-
BMS 13-60 Type 34	Boeing	BMS 13-48 Type 26	Boeing	-
BMS 13-60 Type 34	Boeing	BMS 13-48 Type 28	Boeing	-
BMS 13-60 Type 34	Boeing	BMS 13-48 Type 32	Boeing	Do Not Solder Alternative Wire
BMS 13-60 Type 34	Boeing	BMS 13-60 Type 5	Boeing	-
BMS 13-60 Type 4	Boeing	BMS 13-60 Type 11	Boeing	-
BMS 13-60 Type 44	Boeing	BMS 13-58 Type 1	Boeing	-
BMS 13-60 Type 45	Boeing	BMS 13-58 Type 5	Boeing	-

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STANDARD WIRING PRACTICES MANUAL

ALTERNATIVE WIRE

Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
BMS 13-60 Type 5	Boeing	BMS 13-48 Type 13	Boeing	Do Not Solder Alternative Wire
BMS 13-60 Type 5	Boeing	BMS 13-48 Type 24	Boeing	Do Not Solder Alternative Wire
BMS 13-60 Type 5	Boeing	BMS 13-48 Type 32	Boeing	-
BMS 13-60 Type 5	Boeing	BMS 13-60 Type 11	Boeing	Do Not Solder Alternative Wire
BMS 13-60 Type 7	Boeing	BMS 13-58 Type 1	Boeing	-
BMS 13-60 Type 7 Class 3	Boeing	557-392	Thermax	AWG 10
BMS 13-60 Type 8	Boeing	BMS 13-58 Type 3	Boeing	-
BMS 13-60 Type 8	Boeing	BMS 13-60 Type 11	Boeing	-
BMS 13-60 Type 9	Boeing	BMS 13-31 Type 4	Boeing	-
BMS 13-60 Type 9	Boeing	BMS 13-58 Type 4	Boeing	-
BMS 13-60 Type 9	Boeing	BMS 13-60 Type 12	Boeing	-
BMS 13-60 Type 10	Boeing	BMS 13-58 Type 5	Boeing	-
BMS 13-60 Type 11	Boeing	BMS 13-58 Type 7	Boeing	-
BMS 13-60 Type 12	Boeing	BMS 13-58 Type 8	Boeing	-
BMS 13-65 Type 0E	Boeing	S280W503-1	Boeing	-
BMS 13-65 Type 0F	Boeing	S280W503-2	Boeing	-
BMS 13-65 Type 0G	Boeing	S280W503-3	Boeing	-
BMS 13-65 Type 0H	Boeing	S280W503-4	Boeing	-
BMS 13-65 Type 0J	Boeing	S280W503-5	Boeing	-
BMS 13-65 Type 0K	Boeing	S280W503-6	Boeing	-
BMS 13-8 Type I Class A	Boeing	BMS 13-55 Type 2 Class 1	Boeing	-
BMS 13-8 Type II Class A	Boeing	BMS 13-8 Type III Class A	Boeing	-
BMS 13-8 Type III Class A	Boeing	63546	Filotex	-
BMS 13-8 Type III Class A	Boeing	BMS 13-8 Type II Class A	Boeing	-
BWC-880079-2-()	Barcel	BMS 13-51 Type XXIX Class 2	Boeing	-
BWC-890014-2-18	Barcel	12621	Teledyne	-
C4201358	Judd	55A1211-10-9-9	Raychem	-
CTC-0039-()-9/5-9, AI-Ch	Raychem	44A7620-()-9/5-9, AI-Ch	Raychem	-

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STANDARD WIRING PRACTICES MANUAL

ALERTNATIVE WIRE

Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
H22-4000	Rockbestos	BMS 13-55 Type 1 Class 1	Boeing	AWG 18
H22-4000	Rockbestos	BMS 13-55 Type 2 Class 1	Boeing	AWG 18
JW1177/9-()	-	M1177/9-()	QPL	Magnet Wire
JW1177/9-()	-	NYLAC-()	Anaconda	Magnet Wire
JW1177/9-()	-	NYLEZE-()	Phelps Dodge	Magnet Wire
LWAC-99, Al-Ch	Lewis	852-4991972, Al-Ch	Specialty Cable	-
LWC-160, Cu-Cn	Lewis	852-4236774, Cu-Cn	Pirelli	-
M1177/9-()	QPL	JW1177/9-()	-	Magnet Wire
MI-5406	Times Wire Company	5020G3442	Raychem	-
MIL-C-17/174-00001	QPL	MIL-C-17/127, (RG-393)	QPL	-
MIL-W-22759/2-()1-9	QPL	BMS 13-60 Type 7 Class 1	Boeing	-
MIL-W-7139	QPL	BMS 13-60 Type 8	Boeing	-
NYLAC-()	Anaconda	JW1177/9-()	-	Magnet Wire
NYLEZE-()	Phelps Dodge	JW1177/9-()	-	Magnet Wire
P606671	Axon	RSS-5-148B-16	Rockbestos	-
P606672	Axon	RSS-5-148B-18	Rockbestos	-
MIL-C-17/60, (RG-142)	QPL	421-176	Amphenol	-
MIL-C-17/113, (RG-188)	QPL	MIL-C-17/113, (RG-316)	QPL	-
MIL-C-17/95, (RG-195)	QPL	MIL-C-17/95, (RG-180)	QPL	-
MIL-C-17/163, (RG-213)	QPL	5012F1339()	Raychem	-
MIL-C-17/164, (RG-214)	QPL	BA6903A	ITT Surprenant	-
MIL-C-17/113, (RG-316)	QPL	MIL-C-17/113, (RG-188)	Raychem	-
MIL-C-17/127, (RG-393)	QPL	MIL-C-17/174-00001	Raychem	-
MIL-C-17/155, (RG-58)	QPL	BA5903A	ITT Surprenant	-
MIL-C-17/163, (RG-8)	QPL	5012F1339()	Raychem	-
RSS-5-148B-16	Rockbestos	P606671	Axon	-
RSS-5-148B-18	Rockbestos	P606672	Axon	-
RSS-5-191	-	BMS 13-60 Type 8	Boeing	-
S280T001-1	Boeing	S280T001-3	Boeing	-

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STANDARD WIRING PRACTICES MANUAL

ALTERNATIVE WIRE

Table 1 (continued)

Specified Wire		Alternative Wire		
Specification or Part Number	Supplier	Specification or Part Number	Supplier	Special Conditions
S280T006-2, Spoiler Cable	Boeing	BMS 13-60 Type 24	Boeing	Do Not Solder Alternative Wire
S280W503-1	Boeing	BMS 13-65 Type 0E	Boeing	-
S280W503-2	Boeing	BMS 13-65 Type 0F	Boeing	-
S280W503-3	Boeing	BMS 13-65 Type 0G	Boeing	-
S280W503-4	Boeing	BMS 13-65 Type 0H	Boeing	-
S280W503-5	Boeing	BMS 13-65 Type 0J	Boeing	-
S280W503-6	Boeing	BMS 13-65 Type 0K	Boeing	-
SS72016	Thermax	65B47866-5	Boeing	-
TU20-100-24B	Raychem	BMS 13-56 Type 3 Class 20	Boeing	-
Type 2100-1-()	Filotex	BMS 13-58 Type I	Boeing	-
WARREN WW500	-	BMS 13-60 Type 8	Boeing	-
WC-101763, Al-Ch	Revere	853-4221172, Al-Ch	Pirelli	-
WC-62737, Al-Ch	Revere	852-4991972, Al-Ch	Specialty Cable	-
WC101767, Al-Ch	Pirelli	853-4218376, Al-Ch	Pirelli	-
WW-63221, Cu-Cn	Revere	853-4125928, Cu-Cn	Pirelli	-
WW67587, Cu-Cn	Revere	853-4221073, Cu-Cn	Pirelli	-

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

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A. Necessary Conditions for the Removal of the Outer Jacket from the End of a Cable	1
B. Necessary Conditions for the Removal of the Insulation from the End of a Wire	2
2. <u>CABLE JACKET AND WIRE INSULATION REMOVAL</u>	2
A. Selection of a Removal Tool	2
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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

This subject:

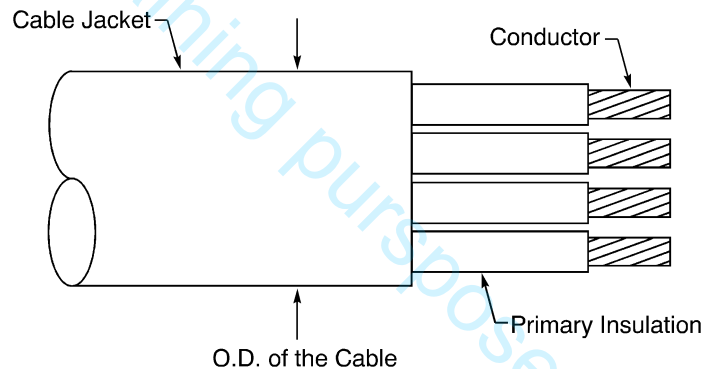
- Gives the conditions and the procedure for the removal of the necessary length of outer jacket from the end of a cable
- Gives the conditions and the procedure for the removal of the necessary length of insulation from the end of a wire
- Gives the outer jacket removal tools for cables that have an O.D. that is less than or equal to 0.3 inch
- Gives the insulation removal tools for AWG 10 through AWG 26 wire
- Does not give the cable preparation data for coax and triax cables.

1. GENERAL DATA

A. Necessary Conditions for the Removal of the Outer Jacket from the End of a Cable

These conditions are applicable after the outer jacket has been removed from the end of a cable that does not have a shield:

- The primary insulation of the wire does not have a hole or a crack
- The cable has no deformation near the end of the outer jacket
- The remaining jacket does not have a hole or a crack.



CONFIGURATION OF A CABLE WITHOUT A SHIELD CABLE
Figure 1

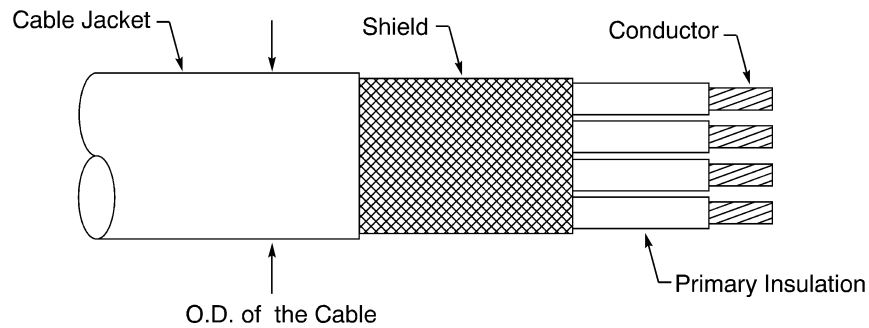
These conditions are applicable after the outer jacket has been removed from the end of a cable that has a shield:

- No strands of the shield are broken or missing
- The base metal of the strands of the shield cannot be seen
- The strands of shield are together
- The cable has no deformation near the end of the outer jacket
- The remaining jacket does not have a hole or a crack.

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

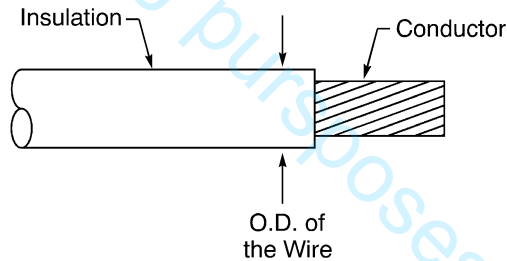


CONFIGURATION OF A CABLE WITH A SHIELD
Figure 2

B. Necessary Conditions for the Removal of the Insulation from the End of a Wire

These conditions are applicable after the insulation has been removed from the end of a wire:

- No strand of the conductor is broken or missing
- The base metal of a strand of the conductor cannot be seen
- The strands of the conductor are in the initial, twisted configuration
- The wire has no deformation near the end of the insulation
- The remaining insulation does not have a hole or a crack.



CONFIGURATION OF A WIRE
Figure 3

2. CABLE JACKET AND WIRE INSULATION REMOVAL

A. Selection of a Removal Tool

- (1) For the selection of a cable jacket removal tool:
 - (a) Find the Wire Type Code (WTC) of the cable. Refer to the Wiring Diagram Manual.
 - (b) Find the wire specification or the wire part number of the cable. Refer to Subject 20-00-13.
 - (c) Make a selection of a cable jacket removal tool. Refer to:
 - Table 1 for a WTC with one wire specification or part number
 - Table 2 for a WTC with more than one wire specification or part number.
- (2) For the selection of an insulation removal tool:
 - (a) Find the Wire Type Code (WTC) of the cable. Refer to the Wiring Diagram Manual.
 - (b) Find the wire specification or the wire part number of the cable. Refer to Subject 20-00-13.

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

- (c) Make a selection of an insulation removal tool. Refer to:
- Table 3 for a WTC with one wire specification or part number
 - Table 4 for a WTC with more than one wire specification or part number.

B. Cable Jacket Removal

This paragraph gives the procedure to remove a length of the outer jacket from a cable that has an O.D. that is less than or equal to 0.3 inch.

NOTE: It is recommended that a test of the cable jacket removal tool is done with a sample of the cable, before the operation is done on a cable that is installed or must be installed in the airplane.

- (1) Put the end of the cable in the V-notch that is nearest the pivot and below the blade.
Make sure that the blade is on the side of the cable jacket removal tool that is opposite to the hand that holds the cable.
- (2) Move the tool around the cable approximately three times.
- (3) Remove the cable from the tool.
- (4) Bend the cable on the line where the cable is cut to break the outer jacket loose.
- (5) If the length of jacket is long, cut the jacket longitudinally with the front blade of the tool.
- (6) Remove the length of jacket.
- (7) Examine the cable for damage. Refer to Paragraph 1.A.

C. Wire Insulation Removal

NOTE: It is recommended that a test of the insulation removal tool is done with a sample of the wire, before the operation is done on a wire that is installed or must be installed in the airplane.

- (1) Put the wire in the correct hole in the insulation removal tool.
- (2) Close the handles of the tool until the tool makes a click.
Make sure the handles stay closed.
- (3) Remove the wire from the tool.
- (4) Release the handles of the tool.
- (5) Examine the wire for damage. Refer to Paragraph 1.B.

3. CABLE JACKET AND WIRE INSULATION REMOVAL TOOLS

A. Cable Jacket Removal Tools

Table 1 and Table 2 give the tools that are recommended for the removal of a length of the outer jacket from the end of a cable.

NOTE: Other tools are acceptable if the result of the removal operation agrees with the necessary conditions that are specified in Paragraph 1.A.

Table 1
RECOMMENDED CABLE JACKET REMOVAL TOOLS

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
0A	-	-	45-402	K-6493

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
0B	-	-	45-402	K-6493
0C	-	-	45-402	K-6493
0D	-	-	45-402	K-6493
0N	-	-	45-403	K-6497
0Q	-	-	45-404	K-6500
0R	-	-	45-403	K-6495
0S	-	-	45-403	K-6497
0T	-	-	45-403	K-6499
0U	-	-	45-403	K-6495
0Z	-	-	45-403	K-6497
16	-	-	45-403	K-6497
24	-	-	45-401	K-6492
2E	-	-	45-401	K-6492
2F	-	-	45-401	K-6492
2G	-	-	45-401	K-6492
2H	-	-	45-401	K-6492
2N	-	-	45-401	K-6492
2P	-	-	45-401	K-6492
2Q	-	-	45-401	K-6492
2S	-	-	45-401	K-6492
2T	-	-	45-401	K-6492
2U	-	-	45-401	K-6492
2Z	-	-	45-402	K-6493
3A	-	-	45-401	K-6492
3U	-	-	45-404	K-6503
4I	-	-	45-402	K-6493
4J	-	-	45-402	K-6493
4Q	-	-	45-402	K-6493
5Q	-	-	45-401	K-6492
5R	-	-	45-401	K-6492
5T	-	-	45-403	K-6497

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
5U	-	-	45-401	K-6492
5X	-	-	45-403	K-6497
6E	-	-	45-401	K-6492
6F	-	-	45-401	K-6492
6G	-	-	45-401	K-6492
6H	-	-	45-401	K-6492
6N	-	-	45-401	K-6492
6Y	-	-	45-401	K-6492
6Z	-	-	45-403	K-6500
74	-	-	45-401	K-6492
7F	-	-	45-403	K-6498
7G	-	-	45-403	K-6502
7H	-	-	45-404	K-6503
7J	-	-	45-402	K-6493
7K	-	-	45-403	K-6498
7L	-	-	45-402	K-6493
7M	-	-	45-402	K-6493
7N	-	-	45-404	K-6494
7P	-	-	45-403	K-6495
7Y	-	-	45-401	K-6492
7Z	-	-	45-402	K-6493
8F	-	-	45-401	K-6492
8G	-	-	45-401	K-6492
8Y	-	-	45-404	K-6494
90	-	-	45-403	K-6502
91	-	-	45-403	K-6502
9J	-	-	45-402	K-6493
9K	-	-	45-404	K-6502
9L	-	-	45-402	K-6493
9M	-	-	45-403	K-6497
9N	-	-	45-403	K-6497

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
9P	-	-	45-402	K-6493
9Q	-	-	45-404	K-6493
9R	-	-	45-403	K-6494
9T	-	-	45-404	K-6493
9V	-	-	45-402	K-6493
AB	-	-	45-401	K-6492
AC	-	-	45-401	K-6492
AD	-	-	45-401	K-6492
AE	-	-	45-403	K-6494
AF	-	-	45-403	K-6494
AG	-	-	45-404	K-6492
AH	-	-	45-404	K-6492
AI	-	-	45-404	K-6492
AL	-	-	45-401	K-6492
AM	-	-	45-402	K-6493
AN	-	-	45-402	K-6493
AP	-	-	45-401	K-6492
AW	-	-	45-401	K-6492
AX	-	-	45-404	K-6503
B9	-	-	45-401	K-6492
BE	-	-	45-403	K-6498
BL	22	16	45-404	K-6502
BM	-	-	45-403	K-6498
BN	-	-	45-403	K-6498
BV	-	-	45-403	K-6497
BW	-	-	45-402	K-6493
BZ	-	-	45-404	K-6498
C0	-	-	45-404	K-6498
C1	-	-	45-400	K-6494
C2	-	-	45-403	K-6494
C3	-	-	45-403	K-6494

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WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
C4	-	-	45-403	K-6494
C5	-	-	45-403	K-6498
C8	-	-	45-402	K-6493
C9	-	-	45-404	K-6493
CB	-	-	45-401	K-6492
CL	-	-	45-401	K-6492
CN	-	-	45-403	K-6497
CP	-	-	45-403	K-6497
CR	-	-	45-403	K-6497
CS	-	-	45-403	K-6497
CU	24	20	45-403	K-6501
	18	14	45-404	K-6502
CV	-	-	45-402	K-6493
D#	-	-	45-404	K-6498
D0	-	-	45-402	K-6493
D1	-	-	45-402	K-6493
D2	-	-	45-404	K-6497
D3	-	-	45-404	K-6497
D4	-	-	45-404	K-6497
D6	-	-	45-402	K-6493
D7	-	-	45-402	K-6493
D8	-	-	45-402	K-6493
DG	-	-	45-402	K-6493
DH	-	-	45-402	K-6493
DK	-	-	45-403	K-6494
DM	-	-	45-403	K-6495
DN	-	-	45-403	K-6495
DR	-	-	45-403	K-6497
DS	28	16	45-404	K-6497
DT	-	-	45-403	K-6497
DU	-	-	45-403	K-6497

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WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
E0	-	-	45-402	K-6493
E1	-	-	45-402	K-6493
E2	28	14	45-403	K-6497
	12	12	45-404	K-6497
E4	-	-	45-402	K-6493
E5	24	14	45-402	K-6493
	12	10	45-404	K-6494
E6	24	14	45-402	K-6493
	12	10	45-404	K-6494
EE	24	18	45-403	K-6498
	16	12	45-403	K-6500
EF	24	20	45-403	K-6502
	18	16	45-404	K-6503
EG	24	22	45-403	K-6502
	20	16	45-404	K-6503
EH	24	24	45-403	K-6402
	22	18	45-404	K-6403
EP	26	14	45-401	K-6492
	12	10	45-404	K-6492
EZ	-	-	45-403	K-6497
F#	24	16	45-403	K-6496
	14	10	45-404	K-6496
FE	-	-	45-403	K-6499
FF	-	-	45-404	K-6502
FG	-	-	45-404	K-6502
FH	-	-	45-404	K-6502
FJ	-	-	45-403	K-6499
FL	-	-	45-404	K-6502
FN	24	14	45-402	K-6493
	12	10	45-404	K-6494

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WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
FP	24	14	45-402	K-6493
	12	10	45-404	K-6494
FR	24	14	45-401	K-6492
	12	10	45-402	K-6493
G1	-	-	45-402	K-6493
G2	24	14	45-402	K-6493
	12	10	45-404	K-6494
G3	24	14	45-402	K-6493
	12	10	45-404	K-6494
G4	24	16	45-402	K-6493
	14	10	45-404	K-6494
G7	-	-	45-402	K-6493
GE	-	-	45-402	K-6493
GF	24	14	45-402	K-6493
	12	10	45-404	K-6494
GG	24	14	45-402	K-6493
	12	10	45-404	K-6494
GH	26	16	45-402	K-6493
	14	10	45-404	K-6494
GP	-	-	45-402	K-6493
GQ	24	14	45-402	K-6493
	12	10	45-404	K-6494
GR	24	14	45-402	K-6493
	12	10	45-404	K-6494
GS	24	16	45-402	K-6493
	14	10	45-404	K-6494
GT	-	-	45-402	K-6493
GU	24	14	45-402	K-6493
	12	10	45-404	K-6494
GV	24	14	45-402	K-6493
	12	10	45-404	K-6494

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WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
GW	24	16	45-402	K-6493
	14	10	45-404	K-6494
H1	-	-	45-402	K-6493
H2	24	14	45-402	K-6493
	12	10	45-404	K-6494
H3	24	14	45-402	K-6493
	12	10	45-404	K-6494
H4	24	16	45-402	K-6493
	14	10	45-404	K-6494
H5	24	16	45-402	K-6493
	14	10	45-404	K-6494
H6	-	-	45-402	K-6493
H7	24	14	45-402	K-6493
	12	10	45-404	K-6494
H8	-	-	45-402	K-6493
H9	-	-	45-403	K-6496
HE	-	-	45-403	K-6496
HF	24	16	45-403	K-6496
	14	10	45-404	K-6496
HG	24	16	45-403	K-6496
	14	12	45-404	K-6496
HH	24	16	45-403	K-6496
	14	12	45-404	K-6496
HJ	-	-	45-404	K-6496
HK	24	18	45-403	K-6496
	16	14	45-404	K-6496
HP	-	-	45-403	K-6496
HQ	24	16	45-403	K-6496
	14	10	45-404	K-6496
HR	24	16	45-403	K-6496
	14	12	45-404	K-6496

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WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
HS	24	18	45-403	K-6496
	16	14	45-404	K-6496
HU	-	-	45-404	K-6496
HV	-	-	45-404	K-6503
HW	-	-	45-402	K-6493
HX	-	-	45-402	K-6493
HY	-	-	45-402	K-6493
LE	-	-	45-401	K-6492
LH	-	-	45-401	K-6492
LL	-	-	45-402	K-6493
M1	-	-	45-402	K-6493
M2	-	-	45-402	K-6493
M3	-	-	45-402	K-6493
M5	-	-	45-402	K-6493
M6	-	-	45-402	K-6493
MD	-	-	45-401	K-6492
ME	-	-	45-403	K-6496
MK	-	-	45-403	K-6500
ML	-	-	45-403	K-6500
MN	-	-	45-403	K-6500
MP	-	-	45-403	K-6500
MQ	-	-	45-403	K-6500
MR	-	-	45-403	K-6500
MT	-	-	45-403	K-6500
MU	-	-	45-403	K-6500
MV	-	-	45-403	K-6500
MW	-	-	45-403	K-6500
MZ	-	-	45-403	K-6496
N1	-	-	45-402	K-6493
N2	26	12	45-402	K-6493
	10	10	45-404	K-6493

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WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
N3	26	14	45-402	K-6493
	12	10	45-404	K-6493
N4	26	14	45-402	K-6493
	12	10	45-404	K-6493
N5	-	-	45-402	K-6493
N6	26	12	45-402	K-6493
	10	10	45-404	K-6493
N7	26	14	45-402	K-6493
	12	10	45-404	K-6493
N9	-	-	45-402	K-6493
P1	-	-	45-402	K-6493
P2	-	-	45-402	K-6493
P3	-	-	45-402	K-6493
P4	-	-	45-402	K-6493
P5	-	-	45-402	K-6493
P6	-	-	45-402	K-6493
PQ	-	-	45-402	K-6493
PR	24	14	45-402	K-6493
	12	10	45-404	K-6494
PS	24	14	45-402	K-6493
	12	12	45-404	K-6494
PT	24	16	45-402	K-6493
	14	12	45-404	K-6494
PU	-	-	45-402	K-6493
PV	-	-	45-402	K-6493
PW	-	-	45-402	K-6493
PX	-	-	45-402	K-6493
PY	-	-	45-402	K-6493
QJ	24	14	45-402	K-6493
	12	10	45-404	K-6493

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WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
QK	24	14	45-402	K-6493
	12	10	45-404	K-6493
QL	24	16	45-402	K-6493
	14	12	45-404	K-6493
QS	-	-	45-402	K-6493
QT	-	-	45-402	K-6493
QU	24	14	45-402	K-6493
	12	10	45-404	K-6494
QV	24	14	45-402	K-6493
	12	10	45-404	K-6494
QW	24	14	45-402	K-6493
	12	10	45-404	K-6494
QX	24	14	45-402	K-6493
	12	12	45-404	K-6494
R0	-	-	45-401	K-6492
R1	-	-	45-401	K-6492
R2	-	-	45-401	K-6492
R3	-	-	45-401	K-6492
R4	-	-	45-401	K-6492
R5	-	-	45-401	K-6492
R6	-	-	45-401	K-6492
R7	-	-	45-401	K-6492
R8	-	-	45-401	K-6492
R9	-	-	45-401	K-6492
RB	-	-	45-401	K-6492
RH	-	-	45-401	K-6492
RJ	-	-	45-403	K-6496
RK	-	-	45-403	K-6496
RL	24	16	45-403	K-6496
	14	12	45-404	K-6496

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WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
RM	24	16	45-403	K-6496
	14	12	45-404	K-6496
RQ	-	-	45-404	K-6496
T1	-	-	45-402	K-6493
T2	-	-	45-402	K-6493
T3	-	-	45-403	K-6496
TA	-	-	45-403	K-6497
TD	-	-	45-404	K-6497
TE	-	-	45-404	K-6497
TF	-	-	45-402	K-6493
TK	-	-	45-404	K-6503
TP	-	-	45-404	K-6503
TQ	-	-	45-403	K-6497
TT	-	-	45-404	K-6503
TU	-	-	45-403	K-6497
U4	24	16	45-402	K-6493
	14	14	45-404	K-6494
UI	-	-	45-402	K-6493
V2	-	-	45-403	K-6794
V3	-	-	45-403	K-6497
V4	-	-	45-403	K-6497
V9	-	-	45-403	K-6494
VI	24	16	45-402	K-6493
	14	14	45-404	K-6494
W4	-	-	45-403	K-6498
W5	-	-	45-403	K-6500
WA	-	-	45-404	K-6495
WB	-	-	45-404	K-6495
WI	-	-	45-402	K-6493
WN	-	-	45-404	K-6495
WP	-	-	45-404	K-6495

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WIRE INSULATION REMOVAL

Table 1 (continued)

WTC	Wire Size (AWG)		Basic Unit	Replacement Blade
	Minimum	Maximum		
WT	-	-	45-404	K-6494
WV	-	-	45-403	K-6495
WX	-	-	45-403	K-6496
X1	-	-	45-402	K-6493
X2	-	-	45-402	K-6493
X3	-	-	45-402	K-6493
X4	-	-	45-403	K-6494
X5	-	-	45-402	K-6493
X6	-	-	45-402	K-6493
XQ	-	-	45-402	K-6493
XV	-	-	45-403	K-6496
XX	-	-	45-403	K-6494
XY	-	-	45-404	K-6497
Y1	-	-	45-401	K-6492
Y2	-	-	45-402	K-6493
Y3	-	-	45-402	K-6493
Y4	-	-	45-402	K-6493
Y5	-	-	45-402	K-6493
YF	-	-	45-401	K-6492
YG	24	14	45-402	K-6493
	12	10	45-404	K-6494
YH	24	14	45-402	K-6493
	12	10	45-404	K-6494
YP	-	-	45-402	K-6493
YW	24	14	45-402	K-6493
	12	12	45-404	K-6494

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WIRE INSULATION REMOVAL

Table 2

RECOMMENDED CABLE JACKET REMOVAL TOOLS FOR WIRE TYPE CODES RELATED TO MORE THAN ONE WIRE SPECIFICATION

WTC	Wire Specification or Part Number	Jacket Removal Tool	
		Basic Unit	Replacement Blade
3B	BMS 13-48 Type 12	45-402	K-6493
	BMS 13-11 Type 5	45-401	K-6492
42	55A1211, Raychem	45-402	K-6493
4B	201-0046, Amphenol	45-404	K-6495
4C	BMS 13-51 Type 15	45-401	K-6492
4D	BMS 13-13 Type 4	45-401	K-6492
4E	7484444-1SN-22, Douglas	45-401	K-6492
4H	Raychem 55A6160	45-402	K-6493
4K	BMS 13-51 Type 15	45-401	K-6492
4L	55A6090, Raychem	45-404	K-6494
	24723/70102KK-5, Tensolite	45-401	K-6492
5B	BMS 13-48 Type 18	45-402	K-6493
5E	BMS 13-51 Type 27	45-401	K-6492
5F	BMS 13-51 Type 27	45-401	K-6492
5G	BMS 13-51 Type 18	45-401	K-6492
	BMS 13-51 Type 27	45-401	K-6492
5H	BMS 13-51 Type 18	45-401	K-6492
	BMS 13-51 Type 27	45-401	K-6492
5J	BMS 13-51 Type 18	45-401	K-6492
5K	BMS 13-51 Type 18	45-401	K-6492
5N	BMS 13-51 Type 30	45-401	K-6492
5P	BMS 13-51 Type 15	45-401	K-6492
	BMS 13-51 Type 30	45-401	K-6492
5S	BMS 13-51 Type 30	45-401	K-6492
5Y	S280T004	45-404	K-6493
	BMS 13-51 Type 6	45-401	K-6492
67	BMS 13-18 Type 3	45-403	K-6496
6P	BMS 13-51 Type 18	45-401	K-6492
6Q	BMS 13-51 Type 18	45-401	K-6492
6R	BMS 13-51 Type 18	45-401	K-6492

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WIRE INSULATION REMOVAL

Table 2 (continued)

WTC	Wire Specification or Part Number	Jacket Removal Tool	
		Basic Unit	Replacement Blade
6S	BMS 13-51 Type 18	45-401	K-6492
6T	BMS 13-51 Type 16	45-401	K-6492
	BMS 13-51 Type 12	45-401	K-6492
6U	BMS 13-51 Type 16	45-401	K-6492
	BMS 13-51 Type 12	45-401	K-6492
6V	BMS 13-51 Type 12	45-401	K-6492
6W	BMS 13-51 Type 12	45-401	K-6492
8A	BMS 13-51 Type 9	45-401	K-6492
	BMS 13-51 Type 27	45-401	K-6492
8B	BMS 13-51 Type 9	45-401	K-6492
	BMS 13-51 Type 27	45-401	K-6492
8C	BMS 13-48 Type 24	45-402	K-6493
	BMS 13-51 Type 9	45-401	K-6492
8D	BMS 13-48 Type 24	45-402	K-6493
	BMS 13-51 Type 30	45-401	K-6492
8E	BMS 13-48 Type 24	45-402	K-6493
	BMS 13-51 Type 30	45-401	K-6492
8H	BMS 13-51 Type 15	45-401	K-6492
8J	BMS 13-51 Type 15	45-401	K-6492
8K	BMS 13-48 Type 24	45-402	K-6493
	BMS 13-51 Type 15	45-401	K-6492
8L	0024A0014, Raychem	45-403	K-6497
	BMS 13-51 Type 15	45-401	K-6492
8M	BMS 13-51 Type 15	45-401	K-6492
	BMS 13-51 Type 27	45-401	K-6492
8P	44A7620, Raychem	45-403	K-6497
	BMS 13-51 Type 18	45-401	K-6492
8Q	BMS 13-48 Type 12	45-402	K-6493
8R	BMS 13-16 Type 3	45-403	K-6497
8S	BMS 13-16 Type 3	45-403	K-6497
93	10-60875-4	45-403	K-6497

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WIRE INSULATION REMOVAL

Table 2 (continued)

WTC	Wire Specification or Part Number	Jacket Removal Tool	
		Basic Unit	Replacement Blade
98	10-60875-8	45-403	K-6497
	BMS 13-30 Type 3	45-401	K-6492
9C	55A6160, Raychem	45-402	K-6493
9D	61-02651, Champlain	45-404	K-6502
9E	BMS 13-31 Type 7	45-404	K-6503
	M27500-*SB1T14	45-403	K-6497
9F	30-04680, Champlain	45-403	K-6500
	M27500-*TG2T14	45-403	K-6497
9G	831-4245379, Pirelli	45-402	K-6493
	M27500-*TG3T14	45-403	K-6494
9H	831-4245270, Pirelli	45-402	K-6493
	M27500-*TG4T14	45-403	K-6495
9X	85842, Filotex	45-402	K-6493
9Y	81993, Filotex	45-402	K-6493
CH	BMS 13-31 Type 3	45-404	K-6503
	BMS 13-42 Type 12	45-401	K-6492
CJ	BMS 13-31 Type 3	45-404	K-6503
	BMS 13-42 Type 12	45-403	K-6492
CW	65B47866-5	45-404	K-6495
UP	BMS 13-11 Type 5	45-401	K-6492
US	BMS 13-11 Type 5	45-401	K-6492
VA	S280T004-1	45-404	K-6493
VB	S280T006-2	45-404	K-6493
VC	65B47866-2	45-403	K-6496
VD	24-00034, Champlain	45-403	K-6497
VF	BMS 13-48 Type 12	45-402	K-6493
	BMS 13-42 Type 12	45-401	K-6492
VG	BMS 13-48 Type 12	45-402	K-6493
	BMS 13-42 Type 12	45-401	K-6492
VH	BMS 13-48 Type 12	45-402	K-6493
	BMS 13-42 Type 12	45-401	K-6492
VJ	BMS 13-42 Type 12	45-401	K-6492

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WIRE INSULATION REMOVAL

Table 2 (continued)

WTC	Wire Specification or Part Number	Jacket Removal Tool	
		Basic Unit	Replacement Blade
VK	BMS 13-42 Type 12	45-401	K-6492
VL	BMS 13-42 Type 12	45-401	K-6492
VM	51-04569, Champlain	45-403	K-6495
VN	51-04570, Champlain	45-403	K-6491
	M27500-20RC2N06	45-403	K-6497
VW	24-00033, Champlain	45-403	K-6497
	24-00517, Champlain	45-403	K-6497
VX	784-2ZXE, Thermax	45-403	K-6495
VY	63546, Filotex	45-404	45-2108-1
VZ	BMS 13-55 Type 4	45-404	K-6493
W2	10605, Raychem	45-403	K-6494
WC	10599, Raychem	45-403	K-6494
WE	65B47866-2	45-403	K-6496
WF	BMS 13-48 Type 13	45-402	K-6493
WG	BMS 13-48 Type 13	45-402	K-6493
WH	BMS 13-48 Type 13	45-402	K-6493
WJ	6917M39, Endevco	45-403	K-6495
WK	BMS 13-28 Type 4	45-403	K-6497
WL	BMS 13-28 Type 24	45-402	K-6493
WM	BMS 13-28 T24	45-402	K-6493
	VE 556, Vermillion	45-402	K-6493
ZC	M5086/2	45-401	K-6492

B. Wire Insulation Removal Tools

Table 3 and Table 4 give the tools that are recommended for the removal of a length of the insulation from the end of a wire.

NOTE: Other tools are acceptable if the result of the removal operation agrees with the necessary conditions that are specified in Paragraph 1.B.

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WIRE INSULATION REMOVAL

CAUTION: DO NOT USE THE TOOLS IN TABLE 3 AND TABLE 4 TO REMOVE THE OUTER JACKET FROM A CABLE OR A SHIELDED WIRE. DAMAGE TO THE SHIELD OR THE WIRES IN THE CABLE CAN OCCUR.

Table 3
RECOMMENDED INSULATION REMOVAL TOOLS

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
0A	24	16	ST2222-26
	14	12	ST2222-27
0B	24	16	ST2222-26
	14	12	ST2222-27
0C	24	16	ST2222-26
	14	12	ST2222-27
0D	24	16	ST2222-26
	14	12	ST2222-27
0N	24	24	ST2222-42
0Q	22	22	ST2222-42
0R	24	24	ST2222-46
0S	22	22	ST2222-21
0T	24	16	ST2222-42
0U	24	16	ST2222-42
0Z	20	20	ST2222-21
16	20	18	ST2222-38
1A	22	16	ST2222-42
	14	10	ST2222-39
1B	22	16	ST2222-42
	14	10	ST2222-39
1C	22	16	ST2222-42
	14	10	ST2222-39
1E	26	16	ST2222-29
	14	12	ST2222-27
1F	26	16	ST2222-29
	14	12	ST2222-27
1G	26	16	ST2222-29
	14	12	ST2222-27

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STANDARD WIRING PRACTICES MANUAL
WIRE INSULATION REMOVAL
Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
1H	26	16	ST2222-29
	14	12	ST2222-27
1P	22	16	ST2222-42
	14	10	ST2222-39
1R	26	16	ST2222-29
	14	12	ST2222-43
1Z	22	16	ST2222-38
21	22	16	ST2222-42
	14	12	ST2222-39
24	26	16	ST2222-26
	14	12	ST2222-27
28	18	18	ST2222-38
2A	26	16	ST2222-29
	14	10	ST2222-30
2B	26	16	ST2222-29
	14	12	ST2222-30
2C	26	16	ST2222-29
	14	12	ST2222-30
2D	26	16	ST2222-29
	14	12	ST2222-30
2E	26	16	ST2222-29
	14	10	ST2222-30
2F	26	16	ST2222-29
	14	10	ST2222-30
2G	26	16	ST2222-29
	14	10	ST2222-30
2H	26	16	ST2222-29
	14	10	ST2222-30
2J	26	20	ST2222-29
2K	26	20	ST2222-29
2L	26	20	ST2222-29

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
2M	26	20	ST2222-29
2N	26	20	ST2222-29
2P	26	20	ST2222-29
2Q	26	20	ST2222-29
2S	26	16	ST2222-29
	14	10	ST2222-30
2T	26	20	ST2222-29
2U	26	16	ST2222-29
	14	10	ST2222-30
2V	24	16	ST2222-29
	14	10	ST2222-30
2W	24	16	ST2222-29
	14	10	ST2222-30
2X	22	20	ST2222-26
2Z	24	16	ST2222-40
30	16	16	ST2222-38
31	12	12	ST2222-39
	16	16	ST2222-21
32	12	12	ST2222-39
3A	26	16	ST2222-26
	14	12	ST2222-27
3U	26	16	ST2222-46
	14	12	ST2222-43
42	10	10	ST2222-44
4I	20	20	ST2222-28
4J	24	16	ST2222-38
4Q	24	16	ST2222-29
	14	10	ST2222-30
4R	10	10	ST2222-27
5Q	26	20	ST2222-29
5R	26	20	ST2222-29

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
5T	24	16	ST2222-40
5U	26	20	ST2222-29
6A	26	16	ST2222-33
	14	10	ST2222-32
6B	26	16	ST2222-33
	14	10	ST2222-32
6C	26	16	ST2222-33
	14	10	ST2222-32
6D	26	16	ST2222-33
	14	10	ST2222-32
6E	26	16	ST2222-33
	14	10	ST2222-32
6F	26	16	ST2222-33
	14	10	ST2222-32
6G	26	16	ST2222-33
	14	10	ST2222-32
6H	26	16	ST2222-33
	14	10	ST2222-32
6J	26	20	ST2222-33
6K	26	20	ST2222-33
6L	26	20	ST2222-33
6M	26	20	ST2222-33
6N	26	20	ST2222-33
6X	26	20	ST2222-33
6Y	22	22	ST2222-33
6Z	26	26	ST2222-42
70	20	16	ST2222-38
7A	20	16	ST2222-47
7B	24	16	ST2222-47
7C	24	16	ST2222-47
7D	24	16	ST2222-47

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
7E	24	16	ST2222-47
7F	20	16	ST2222-47
7G	20	16	ST2222-47
7H	20	16	ST2222-47
7J	24	16	ST2222-26
7K	24	24	ST2222-29
7L	22	16	ST2222-45
7M	18	18	ST2222-42
7N	20	20	ST2222-28
7P	24	24	ST2222-26
7R	20	20	ST2222-42
7S	26	16	ST2222-29
	14	10	ST2222-30
7T	26	16	ST2222-29
	14	10	ST2222-30
7U	26	16	ST2222-29
	14	10	ST2222-30
7V	26	16	ST2222-29
	14	10	ST2222-30
7W	26	16	ST2222-29
	14	10	ST2222-30
7X	26	16	ST2222-29
	14	10	ST2222-30
7Y	26	16	ST2222-29
	14	10	ST2222-30
7Z	22	20	ST2222-45
80	15	13	ST2222-41
81	18	16	ST2222-38
8F	26	20	ST2222-29
8G	26	20	ST2222-29
8N	22	20	ST2222-26

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
8T	26	16	ST2222-29
	14	10	ST2222-30
8U	22	20	ST2222-29
8Y	20	20	ST2222-42
8Z	20	20	ST2222-21
99	13	13	ST2222-43
9J	20	20	ST2222-21
9K	20	20	ST2222-42
9L	22	16	ST2222-38
9M	18	18	ST2222-26
9N	16	16	ST2222-26
9P	22	16	ST2222-38
9Q	22	16	ST2222-38
9R	24	24	ST2222-46
9T	22	16	ST2222-38
9U	24	16	ST2222-38
9V	22	16	ST2222-38
9W	26	16	ST2222-33
	14	10	ST2222-32
9Z	26	16	ST2222-33
	14	10	ST2222-32
A6	24	16	ST2222-45
A8	10	10	ST2222-39
AB	20	20	ST2222-42
AC	20	16	ST2222-42
AD	18	18	ST2222-42
AF	20	20	ST2222-38
AG	20	18	ST2222-42
AH	20	20	ST2222-42
AI	20	20	ST2222-46
AJ	20	16	ST2222-28

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
AK	20	16	ST2222-28
AL	20	18	ST2222-21
AM	16	16	ST2222-47
	12	12	ST2222-48
AN	16	16	ST2222-47
AO	22	22	ST2222-38
AP	20	16	ST2222-42
AR	24	20	ST2222-42
AW	20	18	ST2222-42
AX	24	16	ST2222-47
	14	10	ST2222-48
AY	20	20	ST2222-47
AZ	26	16	ST2222-26
	14	12	ST2222-27
B6	24	16	ST2222-38
B7	24	16	ST2222-38
B8	24	16	ST2222-38
B9	24	16	ST2222-38
BA	26	20	ST2222-42
BB	26	20	ST2222-42
BC	26	20	ST2222-42
BD	26	20	ST2222-42
BE	20	16	ST2222-38
BF	24	20	ST2222-40
BI	24	16	ST2222-47
	14	10	ST2222-48
BK	24	16	ST2222-26
	14	12	ST2222-27
BM	26	16	ST2222-29
	14	12	ST2222-43

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
BN	26	16	ST2222-29
	14	12	ST2222-43
BO	18	18	ST2222-42
BP	24	20	ST2222-26
BQ	20	20	ST2222-28
	14	14	ST2222-43
BU	24	20	ST2222-26
BV	24	16	ST2222-38
BW	24	16	ST2222-38
BY	20	20	ST2222-26
BZ	20	16	ST2222-38
C0	24	16	ST2222-38
C1	24	16	ST2222-42
C2	24	16	ST2222-42
C3	24	16	ST2222-42
C4	24	16	ST2222-42
C5	24	16	ST2222-38
C6	22	16	ST2222-38
C7	22	16	ST2222-38
C8	22	16	ST2222-38
C9	22	16	ST2222-38
CB	26	20	ST2222-21
CE	24	16	ST2222-38
CF	24	16	ST2222-38
CL	20	20	ST2222-46
CN	26	16	ST2222-29
	14	12	ST2222-27
CP	26	16	ST2222-29
	14	12	ST2222-27
CQ	24	16	ST2222-38
	14	10	ST2222-39

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
CR	26	16	ST2222-29
	14	12	ST2222-27
CS	26	16	ST2222-29
	14	12	ST2222-27
CT	22	22	ST2222-26
CU	24	16	ST2222-47
	14	10	ST2222-48
CV	22	22	ST2222-26
D#	18	18	ST2222-38
D0	20	20	ST2222-29
D1	20	20	ST2222-29
D2	20	20	ST2222-42
D3	20	20	ST2222-42
D4	18	18	ST2222-38
D6	20	20	ST2222-42
D7	20	20	ST2222-42
D8	20	20	ST2222-42
DC	24	16	ST2222-50
	14	10	ST2222-30
DD	24	16	ST2222-50
	14	10	ST2222-30
DF	24	16	ST2222-50
	14	10	ST2222-30
DG	24	16	ST2222-50
	14	10	ST2222-30
DH	24	16	ST2222-50
	14	10	ST2222-30
DK	24	16	ST2222-50
	14	10	ST2222-30
DM	24	16	ST2222-50
	14	10	ST2222-30

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
DN	24	16	ST2222-50
	14	10	ST2222-30
DR	26	16	ST2222-29
	14	12	ST2222-27
DS	26	16	ST2222-29
	14	12	ST2222-27
DT	20	20	ST2222-26
DU	22	18	ST2222-26
DW	20	20	ST2222-42
DX	20	20	ST2222-26
DZ	24	24	ST2222-42
E0	22	16	ST2222-38
	14	14	ST2222-34
E1	22	16	ST2222-38
	14	14	ST2222-34
E2	26	16	ST2222-29
	14	12	ST2222-27
E4	24	16	ST2222-40
	14	10	ST2222-41
E5	24	16	ST2222-40
	14	10	ST2222-41
E6	24	16	ST2222-40
	14	10	ST2222-41
EA	24	16	ST2222-47
	14	10	ST2222-48
EB	24	16	ST2222-47
	14	10	ST2222-48
EC	24	16	ST2222-47
	14	10	ST2222-48
ED	24	16	ST2222-47
	14	10	ST2222-48

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
EE	24	16	ST2222-47
	14	10	ST2222-48
EF	24	16	ST2222-47
	14	10	ST2222-48
EG	24	16	ST2222-47
	14	10	ST2222-48
EH	24	16	ST2222-47
	14	10	ST2222-48
EJ	24	16	ST2222-26
	14	10	ST2222-27
EK	24	16	ST2222-26
	14	10	ST2222-27
EP	24	16	ST2222-26
	14	10	ST2222-27
ES	26	16	ST2222-29
EX	24	18	ST2222-47
EZ	24	24	ST2222-26
F#	24	16	ST2222-42
	14	10	ST2222-43
FC	20	16	ST2222-42
FD	20	16	ST2222-42
FE	20	16	ST2222-42
FF	20	16	ST2222-42
FG	20	16	ST2222-42
FH	20	16	ST2222-42
FJ	20	16	ST2222-42
FL	20	20	ST2222-42
FM	24	16	ST2222-26
	14	10	ST2222-27
FN	24	16	ST2222-29
	14	10	ST2222-30

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
FP	24	16	ST2222-29
	14	10	ST2222-30
FR	24	16	ST2222-29
	14	10	ST2222-30
FV	24	16	ST2222-26
FX	24	18	ST2222-47
G1	24	16	ST2222-45
	14	10	ST2222-44
G2	24	16	ST2222-45
	14	10	ST2222-44
G3	24	16	ST2222-45
	14	10	ST2222-44
G4	24	16	ST2222-45
	14	10	ST2222-44
G5	24	16	ST2222-46
G6	24	16	ST2222-46
G7	24	16	ST2222-40
	14	10	ST2222-41
GA	24	16	ST2222-40
	14	10	ST2222-41
GB	24	16	ST2222-40
	14	10	ST2222-41
GC	24	16	ST2222-40
	14	10	ST2222-41
GD	24	16	ST2222-40
	14	10	ST2222-41
GE	24	16	ST2222-40
	14	10	ST2222-41
GF	24	16	ST2222-40
	14	10	ST2222-41

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
GG	24	16	ST2222-40
	14	10	ST2222-41
GH	24	16	ST2222-40
	14	10	ST2222-41
GK	24	16	ST2222-40
	14	10	ST2222-41
GL	24	16	ST2222-40
	14	10	ST2222-41
GM	24	16	ST2222-40
	14	10	ST2222-41
GN	24	16	ST2222-40
	14	10	ST2222-41
GP	24	16	ST2222-40
	14	10	ST2222-41
GQ	24	16	ST2222-40
	14	10	ST2222-41
GR	24	16	ST2222-40
	14	10	ST2222-41
GS	24	16	ST2222-40
	14	10	ST2222-41
GT	24	16	ST2222-45
	14	10	ST2222-44
GU	24	16	ST2222-45
	14	10	ST2222-44
GV	24	16	ST2222-45
	14	10	ST2222-44
GW	24	16	ST2222-45
	14	10	ST2222-44
H1	24	16	ST2222-45
	14	10	ST2222-44

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
H2	24	16	ST2222-45
	14	10	ST2222-44
H3	24	16	ST2222-45
	14	10	ST2222-44
H4	24	16	ST2222-45
	14	10	ST2222-44
H5	24	16	ST2222-45
	14	10	ST2222-44
H6	24	16	ST2222-45
	14	10	ST2222-44
H7	24	16	ST2222-45
	14	10	ST2222-44
H8	24	16	ST2222-45
	14	10	ST2222-44
H9	24	16	ST2222-42
	14	10	ST2222-43
HA	24	16	ST2222-42
	14	10	ST2222-43
HB	24	16	ST2222-42
	14	10	ST2222-43
HC	24	16	ST2222-42
	14	10	ST2222-43
HD	24	16	ST2222-42
	14	10	ST2222-43
HE	24	16	ST2222-42
	14	10	ST2222-43
HF	24	16	ST2222-42
	14	10	ST2222-43
HG	24	16	ST2222-42
	14	10	ST2222-43

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
HH	24	16	ST2222-42
	14	10	ST2222-43
HJ	24	18	ST2222-42
HK	24	16	ST2222-42
	14	10	ST2222-43
HL	24	16	ST2222-42
	14	10	ST2222-43
HM	24	16	ST2222-42
	14	10	ST2222-43
HN	24	16	ST2222-42
	14	10	ST2222-43
HP	24	16	ST2222-42
	14	10	ST2222-43
HQ	24	16	ST2222-42
	14	10	ST2222-43
HR	24	16	ST2222-42
	14	10	ST2222-43
HS	24	16	ST2222-42
	14	10	ST2222-43
HT	24	16	ST2222-42
	14	10	ST2222-43
HU	24	18	ST2222-42
HV	20	20	ST2222-40
HW	22	16	ST2222-40
HX	22	16	ST2222-40
HY	22	16	ST2222-40
LE	26	16	ST2222-28
	14	12	ST2222-30
LH	26	16	ST2222-28
	14	12	ST2222-30

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
LL	26	16	ST2222-28
	14	12	ST2222-30
M1	22	16	ST2222-40
M2	22	16	ST2222-40
M3	22	16	ST2222-40
M5	24	16	ST2222-40
M6	24	16	ST2222-40
MB	22	22	ST2222-47
MC	12	12	ST2222-48
MD	18	18	ST2222-21
MG	18	18	ST2222-29
MH	20	18	ST2222-29
MJ	20	20	ST2222-29
MK	16	16	ST2222-29
ML	16	16	ST2222-29
MM	22	22	ST2222-29
MN	18	16	ST2222-29
MP	22	22	ST2222-29
MQ	20	18	ST2222-29
MR	20	16	ST2222-29
	12	12	ST2222-30
MS	24	24	ST2222-29
MT	12	12	ST2222-30
MU	20	16	ST2222-29
MV	20	20	ST2222-29
MW	20	20	ST2222-29
MX	20	20	ST2222-47
MZ	14	14	ST2222-41
N1	24	16	ST2222-40
N2	24	16	ST2222-40
N3	24	16	ST2222-40

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
N4	24	16	ST2222-40
N5	24	16	ST2222-40
N6	24	16	ST2222-40
N7	24	16	ST2222-40
N9	24	16	ST2222-40
P1	24	16	ST2222-26
P2	24	16	ST2222-26
P3	24	16	ST2222-26
P4	24	16	ST2222-50
	14	10	ST2222-30
P5	24	16	ST2222-50
	14	10	ST2222-30
P6	24	16	ST2222-50
P7	24	20	ST2222-50
PA	24	16	ST2222-29
	14	10	ST2222-30
PB	24	16	ST2222-29
	14	12	ST2222-30
PC	24	16	ST2222-29
	14	12	ST2222-30
PD	24	16	ST2222-29
	14	12	ST2222-30
PF	24	16	ST2222-29
	14	12	ST2222-30
PG	22	20	ST2222-29
PH	24	16	ST2222-29
	14	10	ST2222-30
PJ	24	16	ST2222-29
	14	10	ST2222-30
PK	24	16	ST2222-29
PL	24	16	ST2222-29

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
PM	24	16	ST2222-29
PN	24	16	ST2222-29
PP	24	16	ST2222-29
PQ	24	16	ST2222-50
	14	10	ST2222-30
PR	24	16	ST2222-50
	14	10	ST2222-30
PS	24	16	ST2222-50
	14	12	ST2222-30
PT	24	16	ST2222-50
	14	12	ST2222-30
PU	24	16	ST2222-50
	14	10	ST2222-30
PV	24	16	ST2222-50
PW	24	16	ST2222-50
PX	24	16	ST2222-50
PY	24	16	ST2222-50
QA	24	16	ST2222-40
	14	10	ST2222-41
QB	24	16	ST2222-40
	14	10	ST2222-41
QC	24	16	ST2222-40
	14	10	ST2222-41
QD	24	16	ST2222-40
	14	10	ST2222-41
QE	24	16	ST2222-40
	14	10	ST2222-41
QF	24	16	ST2222-40
	14	10	ST2222-41
QJ	24	16	ST2222-40
	14	10	ST2222-41

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
QK	24	16	ST2222-40
	14	10	ST2222-41
QL	24	16	ST2222-40
	14	10	ST2222-41
QN	24	16	ST2222-40
	14	10	ST2222-41
QS	24	16	ST2222-40
	14	10	ST2222-41
QT	24	16	ST2222-40
	14	10	ST2222-41
QU	24	16	ST2222-40
	14	10	ST2222-41
QV	24	16	ST2222-40
	14	10	ST2222-41
QW	24	16	ST2222-40
	14	10	ST2222-41
QX	24	16	ST2222-40
	14	10	ST2222-41
QZ	24	16	ST2222-42
	14	10	ST2222-43
R0	24	16	ST2222-50
	14	12	ST2222-30
R1	24	16	ST2222-50
R2	24	16	ST2222-50
R3	24	16	ST2222-50
R4	24	16	ST2222-50
R5	24	16	ST2222-50
R6	24	16	ST2222-50
R7	24	16	ST2222-50
R8	24	16	ST2222-50
R9	24	16	ST2222-50

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
RB	24	16	ST2222-50
RC	24	16	ST2222-42
RD	26	18	ST2222-49
RE	26	18	ST2222-49
RF	26	18	ST2222-49
RG	26	18	ST2222-49
RH	24	16	ST2222-50
RJ	20	20	ST2222-26
RK	24	16	ST2222-42
	14	10	ST2222-43
RL	24	16	ST2222-42
	14	10	ST2222-43
RM	24	16	ST2222-42
	14	10	ST2222-43
RN	24	16	ST2222-42
	14	10	ST2222-43
RQ	20	20	ST2222-26
RS	26	18	ST2222-49
RT	26	18	ST2222-49
RW	26	18	ST2222-49
RX	26	18	ST2222-49
T0	16	16	ST2222-26
T1	20	20	ST2222-26
T2	18	18	ST2222-46
T3	24	16	ST2222-42
T5	22	20	ST2222-29
T6	22	20	ST2222-29
T7	22	20	ST2222-29
T8	22	22	ST2222-29
T9	22	20	ST2222-29
TA	24	16	ST2222-26

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
TD	20	20	ST2222-42
TF	26	16	ST2222-46
TJ	26	16	ST2222-38
TK	24	16	ST2222-38
TL	22	22	ST2222-42
TM	22	22	ST2222-42
TN	22	22	ST2222-42
TP	22	22	ST2222-42
TQ	22	22	ST2222-42
TR	22	20	ST2222-42
TT	20	20	ST2222-42
TU	20	20	ST2222-42
TV	20	20	ST2222-42
U4	24	16	ST2222-29
	14	10	ST2222-30
UH	24	16	ST2222-26
	14	10	ST2222-27
UI	24	16	ST2222-29
UY	24	16	ST2222-42
UZ	18	18	ST2222-38
V1	14	10	ST2222-41
V2	24	16	ST2222-38
V3	16	16	ST2222-26
V4	16	16	ST2222-26
V5	22	16	ST2222-38
V6	16	16	ST2222-38
V9	24	20	ST2222-29
VI	24	16	ST2222-29
W4	20	20	ST2222-21
W5	26	26	ST2222-26
W7	24	16	ST2222-38

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
W9	24	24	ST2222-45
WA	20	20	ST2222-26
WN	22	22	ST2222-29
WP	22	22	ST2222-26
WS	20	20	ST2222-42
WT	24	24	ST2222-29
WU	22	16	ST2222-38
WV	20	20	ST2222-26
WX	18	18	ST2222-26
WZ	22	22	ST2222-42
X1	24	16	ST2222-29
	14	12	ST2222-30
X2	24	16	ST2222-29
X3	24	16	ST2222-29
X4	24	16	ST2222-29
X5	24	16	ST2222-29
	14	12	ST2222-30
X6	24	16	ST2222-29
	14	12	ST2222-30
XG	24	16	ST2222-26
XL	18	18	ST2222-21
XN	24	16	ST2222-40
XP	24	16	ST2222-26
XQ	24	16	ST2222-29
	14	10	ST2222-30
XU	22	20	ST2222-42
XV	18	18	ST2222-42
XW	20	20	ST2222-21
XX	20	20	ST2222-26
XY	18	18	ST2222-42
Y1	24	16	ST2222-29

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WIRE INSULATION REMOVAL

Table 3 (continued)

WTC	Wire Size (AWG)		Insulation Removal Tool
	Minimum	Maximum	
Y2	24	16	ST2222-29
Y3	24	16	ST2222-29
Y4	24	16	ST2222-29
Y5	24	16	ST2222-29
YA	24	16	ST2222-26
	14	10	ST2222-27
YB	24	16	ST2222-26
	14	10	ST2222-27
YC	24	16	ST2222-26
	14	10	ST2222-27
YD	16	16	ST2222-26
	22	22	ST2222-29
YE	16	16	ST2222-26
	22	22	ST2222-29
YF	24	16	ST2222-29
	14	10	ST2222-30
YG	24	16	ST2222-29
	14	10	ST2222-30
YH	24	16	ST2222-29
	14	10	ST2222-30
YK	20	20	ST2222-26
YM	24	16	ST2222-42
	14	10	ST2222-43
YP	24	16	ST2222-29
	14	12	ST2222-30
YQ	24	16	ST2222-42
	14	10	ST2222-43
YT	24	16	ST2222-26
YU	24	16	ST2222-26
YW	24	16	ST2222-29
	14	12	ST2222-30

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WIRE INSULATION REMOVAL

Table 4

RECOMMENDED INSULATION REMOVAL TOOLS FOR WIRE TYPE CODES RELATED TO MORE THAN ONE WIRE SPECIFICATION

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
3B	BMS 13-48 Type 12	24	16	ST2222-29
		14	10	ST2222-30
	BMS 13-11 Type 5	26	16	ST2222-26
		14	12	ST2222-27
4A	BMS 13-51 Type 14	26	16	ST2222-33
		14	10	ST2222-32
	BMS 13-13 Type 1	22	16	ST2222-42
		14	10	ST2222-39
4B	BMS 13-51 Type 14	26	16	ST2222-33
		14	10	ST2222-32
	201-0046, Amphenol	16	16	ST2222-22
4C	BMS 13-51 Type 15	26	16	ST2222-33
		14	10	ST2222-32
	10-60816-27	24	24	ST2222-26
4D	BMS 13-51 Type 8	26	16	ST2222-29
		14	10	ST2222-30
	BMS 13-13 Type 4	22	16	ST2222-42
		14	10	ST2222-39
4E	M81044/12-20	20	20	ST2222-28
	7484444-1SN-22, Douglas	22	22	ST2222-42
4F	M81044/12-22	22	22	ST2222-28
4G	M81044/12-20	20	20	ST2222-28
4H	55A6160, Raychem	24	16	ST2222-40
4K	55A6088, Raychem	20	20	ST2222-21
	BMS 13-51 Type 15	26	16	ST2222-33
		14	10	ST2222-32
4L	55A6090, Raychem	20	20	ST2222-42
	24723/70102KK-5, Tensolite	24	24	ST2222-50

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WIRE INSULATION REMOVAL

Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
5A	BMS 13-48 Type 16	24	16	ST2222-42
		14	10	ST2222-43
	BMS 13-51 Type 26	26	16	ST2222-29
		14	10	ST2222-30
5B	BMS 13-48 Type 16	24	16	ST2222-42
		14	10	ST2222-43
	BMS 13-51 Type 26	26	16	ST2222-29
		14	10	ST2222-30
	BMS 13-51 Type 18	26	20	ST2222-33
5C	BMS 13-48 Type 16	24	16	ST2222-42
		14	10	ST2222-43
	BMS 13-51 Type 26	26	16	ST2222-29
		14	10	ST2222-30
5D	BMS 13-48 Type 16	24	16	ST2222-42
		14	10	ST2222-43
	BMS 13-51 Type 26	26	16	ST2222-29
		14	10	ST2222-30
5E	BMS 13-48 Type 16	24	16	ST2222-42
		14	10	ST2222-43
	BMS 13-51 Type 27	26	16	ST2222-29
		14	10	ST2222-30
5F	BMS 13-48 Type 16	24	16	ST2222-42
		14	10	ST2222-43
	BMS 13-51 Type 27	26	16	ST2222-29
		14	10	ST2222-30
5G	BMS 13-51 Type 18	26	20	ST2222-33
	BMS 13-51 Type 27	26	16	ST2222-29
		14	10	ST2222-30
5H	BMS 13-51 Type 18	26	20	ST2222-33
	BMS 13-51 Type 27	26	16	ST2222-29
		14	10	ST2222-30

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WIRE INSULATION REMOVAL

Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
5J	BMS 13-51 Type 29	26	20	ST2222-29
	BMS 13-51 Type 18	26	20	ST2222-33
5K	BMS 13-51 Type 29	26	20	ST2222-29
	BMS 13-51 Type 18	26	20	ST2222-33
5L	BMS 13-51 Type 29	26	20	ST2222-29
	BMS 13-51 Type 14	26	16	ST2222-33
		14	10	ST2222-32
5M	BMS 13-51 Type 29	26	20	ST2222-29
	BMS 13-51 Type 14	26	16	ST2222-33
		14	10	ST2222-32
5N	BMS 13-51 Type 14	26	16	ST2222-33
		14	10	ST2222-32
	BMS 13-51 Type 30	26	20	ST2222-29
5P	BMS 13-51 Type 15	26	16	ST2222-33
		14	10	ST2222-32
	BMS 13-51 Type 30	26	20	ST2222-29
5S	BMS 13-51 Type 30	26	20	ST2222-29
	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
5W	BMS 13-51 Type 26	26	16	ST2222-29
		14	10	ST2222-30
5X	24721/30130Q-2, Tensolite	24	24	ST2222-40
5Y	BMS 13-51 Type 6	26	22	ST2222-29
	S280T004-1	24	20	ST2222-33
67	BMS 13-18 Type 3	20	16	ST2222-38
6P	BMS 13-51 Type 18	26	20	ST2222-33
	BMS 13-51 Type 11	26	20	ST2222-29
6Q	BMS 13-51 Type 18	26	20	ST2222-33
	BMS 13-51 Type 11	26	20	ST2222-29
6R	BMS 13-51 Type 18	26	20	ST2222-33
	BMS 13-51 Type 11	26	20	ST2222-29

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WIRE INSULATION REMOVAL

Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
6S	BMS 13-51 Type 18	26	20	ST2222-33
	BMS 13-51 Type 11	26	20	ST2222-29
6T	BMS 13-51 Type 16	26	16	ST2222-33
		14	10	ST2222-32
	BMS 13-51 Type 12	26	16	ST2222-29
		14	10	ST2222-30
6U	BMS 13-51 Type 16	26	16	ST2222-33
		14	10	ST2222-32
	BMS 13-51 Type 12	26	16	ST2222-29
		14	10	ST2222-30
6V	BMS 13-51 Type 14	26	16	ST2222-33
		14	10	ST2222-32
	BMS 13-51 Type 12	26	16	ST2222-29
		14	10	ST2222-30
6W	BMS 13-51 Type 14	26	16	ST2222-33
		14	10	ST2222-32
	BMS 13-51 Type 12	26	16	ST2222-29
		14	10	ST2222-30
74	MIL-W-5274A Type 3	26	16	ST2222-38
8A	BMS 13-51 Type 9	26	16	ST2222-29
		14	10	ST2222-30
	BMS 13-51 Type 27	26	16	ST2222-29
		14	10	ST2222-30
8B	BMS 13-51 Type 9	26	16	ST2222-29
		14	10	ST2222-30
	BMS 13-51 Type 27	26	16	ST2222-29
		14	10	ST2222-30
8C	BMS 13-48 Type 24	24	16	ST2222-26
	BMS 13-51 Type 9	26	16	ST2222-29
		14	10	ST2222-30

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WIRE INSULATION REMOVAL

Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
8D	BMS 13-48 Type 24	24	16	ST2222-26
	BMS 13-51 Type 30	26	20	ST2222-29
8E	BMS 13-48 Type 24	24	16	ST2222-26
	BMS 13-51 Type 30	26	20	ST2222-29
8H	BMS 13-48 Type 22	24	16	ST2222-42
	BMS 13-51 Type 15	26	16	ST2222-33
		14	10	ST2222-32
8J	BMS 13-48 Type 22	24	16	ST2222-42
	BMS 13-51 Type 15	26	16	ST2222-33
		14	10	ST2222-32
8K	BMS 13-48 Type 24	24	16	ST2222-26
	BMS 13-51 Type 15	26	16	ST2222-33
8L	0024A0014, Raychem	24	24	ST2222-26
	BMS 13-51 Type 15	26	16	ST2222-33
		14	10	ST2222-32
8K	BMS 13-51 Type 15	14	10	ST2222-32
8M	BMS 13-51 Type 27	26	16	ST2222-29
		14	10	ST2222-30
	BMS 13-51 Type 15	26	16	ST2222-33
		14	10	ST2222-32
8P	44A7620, Raychem	22	22	ST2222-26
	BMS 13-51 Type 28	26	16	ST2222-29
		14	10	ST2222-30
8Q	BMS 13-48 Type 12	24	16	ST2222-29
		14	10	ST2222-30
	BMS 13-16 Type 1	26	16	ST2222-26
		14	12	ST2222-27
8R	BMS 13-48 Type 22	24	16	ST2222-42
	BMS 13-16 Type 3	26	16	ST2222-26
		14	12	ST2222-27

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WIRE INSULATION REMOVAL

Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
8S	BMS 13-48 Type 22	24	16	ST2222-42
	BMS 13-16 Type 3	26	16	ST2222-26
		14	12	ST2222-27
93	10-60875-4	20	20	ST2222-21
98	10-60875-8	20	20	ST2222-21
	BMS 13-30 Type 3	26	20	ST2222-21
9A	M22759/16-*9	24	16	ST2222-26
		14	10	ST2222-27
	51-04751, Champlain	24	22	ST2222-29
9B	BMS 13-55 T1	22	16	ST2222-38
	M27500-*TG2U00	26	16	ST2222-50
		14	10	ST2222-30
9C	55A6160, Raychem	24	16	ST2222-40
	M27500-*TG3U00	26	16	ST2222-50
		14	10	ST2222-30
9D	61-02651, Champlain	20	20	ST2222-42
	M27500-*TG4U00	26	16	ST2222-50
		14	10	ST2222-30
9E	BMS 13-31 Type 7	20	16	ST2222-47
	M27500-*SB1T14	22	20	ST2222-49
9F	Champlain 30-04680	24	24	ST2222-42
	M27500-*TG2T14	26	16	ST2222-50
		14	10	ST2222-30
9G	831-4245379, Pirelli	26	26	ST2222-38
	M27500-*TG3T14	22	22	ST2222-50
9H	831-4245270, Pirelli	24	24	ST2222-38
	M27500-*TG4T14	22	22	ST2222-50
9X	BMS 13-51 Type 14	26	16	ST2222-33
		14	10	ST2222-32
	85842, Filotex	22	16	ST2222-38

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WIRE INSULATION REMOVAL

Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
9Y	BMS 13-51 Type 14	26	16	ST2222-33
		14	10	ST2222-32
	81993, Filotex	22	16	ST2222-38
BG	BMS 13-31 Type 1	24	16	ST2222-47
		14	10	ST2222-48
	BMS 13-42 Type 8	24	16	ST2222-26
		14	10	ST2222-27
BH	BMS 13-31 Type 1	24	16	ST2222-47
		14	10	ST2222-48
	BMS 13-42 Type 8	24	16	ST2222-26
		14	10	ST2222-27
BJ	BMS 13-58 Type 1	24	16	ST2222-38
		14	10	ST2222-39
	BMS 13-42 Type 8	24	16	ST2222-26
		14	10	ST2222-27
CH	BMS 13-31 Type 3	24	16	ST2222-47
		14	10	ST2222-48
	BMS 13-42 Type 12	24	16	ST2222-29
		14	12	ST2222-30
CJ	BMS 13-31 Type 3	24	16	ST2222-47
		14	10	ST2222-48
	BMS 13-42 Type 12	24	16	ST2222-29
		14	12	ST2222-30
CW	65B47866-5	20	20	ST2222-26
FA	284T1015-1	24	16	ST2222-26
	BMS 13-31 Type 5	20	16	ST2222-42
FB	284T1015-1	24	16	ST2222-26
	BMS 13-31 Type 5	20	16	ST2222-42

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WIRE INSULATION REMOVAL

Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
UA	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
	BMS 13-42 Type 8	24	16	ST2222-26
		14	10	ST2222-27
UB	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
	BMS 13-42 Type 8	24	16	ST2222-26
		14	10	ST2222-27
UC	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
	BMS 13-42 Type 8	24	16	ST2222-26
		14	10	ST2222-27
UD	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
	BMS 13-42 Type 8	24	16	ST2222-26
		14	10	ST2222-27
UE	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
	BMS 13-42 Type 8	24	16	ST2222-26
		14	10	ST2222-27
UF	BMS 13-48 Type 1	24	16	ST2222-50
		14	10	ST2222-30
	BMS 13-42 Type 8	24	16	ST2222-26
		14	10	ST2222-27
UG	BMS 13-48 Type 1	24	16	ST2222-50
		14	10	ST2222-30
	BMS 13-42 Type 8	24	16	ST2222-26
		14	10	ST2222-27
UJ	10-60875-1	20	20	ST2222-42
	BMS 13-13 Type 1	22	16	ST2222-42
		14	10	ST2222-48

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Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
UK	10-60875-2	20	20	ST2222-42
	BMS 13-13 Type 1	22	16	ST2222-42
		14	10	ST2222-48
UM	BMS 13-29 Type 1	22	16	ST2222-38
		14	12	ST2222-39
	BMS 13-13 Type 1	22	16	ST2222-42
		14	10	ST2222-48
UN	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
UP	10-60875-5	20	20	ST2222-42
	BMS 13-11 Type 5	26	16	ST2222-26
		14	12	ST2222-27
US	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
	BMS 13-11 Type 5	26	16	ST2222-26
		14	12	ST2222-27
UT	10-60875-9	20	20	ST2222-42
	10-60816-4	18	18	ST2222-42
UW	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
	10-60816-11	16	16	ST2222-47
VA	S280T004-1	24	16	ST2222-50
	BMS 13-48 Type 9	24	16	ST2222-26
		14	10	ST2222-27
VB	BMS 13-48 Type 9	24	16	ST2222-26
		14	10	ST2222-27
	S280T006-2	20	20	ST2222-26
VC	65B47866-2	20	20	ST2222-26
	BMS 13-48 Type 9	24	16	ST2222-26
		14	10	ST2222-27

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Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
VD	BMS 13-48 Type 9	24	16	ST2222-26
		14	10	ST2222-27
	24-00034, Champlain	16	16	ST2222-26
VE	S280T007-1	22	20	ST2222-29
VF	BMS 13-48 Type 12	24	16	ST2222-29
		14	10	ST2222-30
	BMS 13-42 Type 12	24	16	ST2222-29
		14	12	ST2222-30
VG	BMS 13-48 Type 12	24	16	ST2222-29
		14	10	ST2222-30
	BMS 13-42 Type 12	24	16	ST2222-29
		14	12	ST2222-30
VH	BMS 13-48 Type 12	24	16	ST2222-29
		14	10	ST2222-30
	BMS 13-42 Type 12	24	16	ST2222-29
		14	12	ST2222-30
VJ	BMS 13-48 Type 9	24	16	ST2222-26
		14	10	ST2222-27
	BMS 13-42 Type 12	24	16	ST2222-29
		14	12	ST2222-30
VK	BMS 13-48 Type 9	24	16	ST2222-26
		14	10	ST2222-27
	BMS 13-42 Type 12	24	16	ST2222-29
		14	12	ST2222-30
VL	BMS 13-42 Type 12	24	16	ST2222-29
		14	12	ST2222-30
	44A7428, Raychem	24	16	ST2222-28
VM	51-04569, Champlain	24	16	ST2222-26
	44A7429, Raychem	24	16	ST2222-28
VN	51-04570, Champlain	24	16	ST2222-42
	M27500-20RC2N06	20	20	ST2222-28

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Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
VP	55A8081, Raychem	18	18	ST2222-46
	60B40033-8	20	20	ST2222-28
VQ	63831, Filotex	18	18	ST2222-38
VS	BMS 13-55 Type 1	22	16	ST2222-38
VT	BMS 13-55 Type 2	22	16	ST2222-38
VU	853-4218376, Pirelli	24	16	ST2222-26
VW	24-00033, Champlain	18	18	ST2222-26
	24-00517, Champlain	18	18	ST2222-26
VX	784-2ZXE, Thermax	24	16	ST2222-40
VY	55A0821, Raychem	18	18	ST2222-38
	63546, Filotex	18	18	ST2222-38
VZ	55A6210, Raychem	24	16	ST2222-38
	BMS 13-55 Type 4	22	16	ST2222-38
W2	BMS 13-58 Type 1	24	16	ST2222-38
		14	10	ST2222-39
	10605, Raychem	22	22	ST2222-21
W3	BMS 13-58 Type 1	24	16	ST2222-38
		14	10	ST2222-39
WC	10599, Raychem	22	22	ST2222-26
	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
WD	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
WE	65B47866-2	20	20	ST2222-26
	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
WF	BMS 13-48 Type 13	24	16	ST2222-29
	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27

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Table 4 (continued)

WTC	Part Number or Wire Specification	Wire Size (AWG)		Insulation Removal Tool
		Minimum	Maximum	
WG	BMS 13-48 Type 13	24	16	ST2222-29
	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
WH	BMS 13-48 Type 13	24	16	ST2222-29
	BMS 13-48 Type 8	24	16	ST2222-26
		14	10	ST2222-27
WJ	6917M39, Endevco	24	16	ST2222-26
	BMS 13-48 Type 16	24	16	ST2222-21
		14	10	ST2222-27
WK	BMS 13-48 Type 22	24	16	ST2222-21
	BMS 13-28 Type 4	22	16	ST2222-38
WL	BMS 13-48 Type 24	24	16	ST2222-28
WM	BMS 13-48 Type 24	24	16	ST2222-28
ZC	M5086/2	22	16	ST2222-21
		14	10	45-1159

C. Insulation Removal Tool Supplier Part Numbers

Table 5
SUPPLIER PART NUMBERS

Boeing Standard	Supplier Part Number
ST2222-21	45-1302
ST2222-22	45-1212
ST2222-23	45-173
ST2222-26	45-1610
ST2222-27	45-1611
ST2222-28	45-1987
ST2222-29	45-1654
ST2222-30	45-1608
ST2222-32	45-1609
ST2222-33	45-1633
ST2222-40	45-2543

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WIRE INSULATION REMOVAL

Table 5 (continued)

Boeing Standard	Supplier Part Number
ST2222-41	45-2541
ST2222-42	45-2564
ST2222-43	45-2565
ST2222-44	45-2542
ST2222-45	45-2686
ST2222-47	45-1500
ST2222-48	45-1501
ST2222-49	45-1980
ST2222-50	45-1551

Table 6
INSULATION REMOVAL TOOL COMPONENTS

Insulation Removal Tool	Component		
	Basic Unit	Blade	Grip Pads
45-1212	L-5617	45-1212-1	LB-198
		W3B-300-75	W3G-300-75
45-1302	L-5617	45-1302-1	LB-198
		W3B-300-69	W3G-300-69
45-1500	L-5617	45-1500-1	LB-198
		W3B-300-65	W3G-300-65
45-1501	L-5616	45-1501-1	LB-197
		W3B-300-77	W3G-300-77
45-1551	L-5617	45-1551-1	LB-198
		W3B-300-78	W3G-300-78
45-1608	L-5616	45-1608-1	LB-197
		W3B-300-42	W3G-300-42
45-1609	L-5616	45-1609-1	LB-197
		W3B-300-44	W3G-300-44
45-1610	L-5617	45-1610-1	LB-198
		W3B-300-45	W3G-300-45
45-1611	L-5616	45-1611-1	LB-197
		W3B-300-45B	W3G-300-45B

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WIRE INSULATION REMOVAL

Table 6 (continued)

Insulation Removal Tool	Component		
	Basic Unit	Blade	Grip Pads
45-1633	L-5617	45-1633-1	LB-198
		W3B-300-43	W3G-300-43
45-1654	L-5617	45-1654-1	LB-198
		W3B-300-52	W3G-300-52
45-173	L-5616	L-5562	LB-197
		W3B-300-36	W3G-300-36
45-1980	L-5617	45-1980-1	LB-198
		W3B-300-58	W3G-300-58
45-1987	L-5617	45-1987-1	LB-198
		W3B-300-30	W3G-300-30
45-2541	L-5616	45-2541-1	LB-197
		W3B-300-59	W3G-300-59
45-2542	L-5616	45-2542-1	LB-197
		W3B-300-60	W3G-300-60
45-2543	L-5617	45-2543-1	LB-198
		W3BGP-300-50	W3GGP-300-50
45-2564	L-5617	45-2564-1	LB-198
		W3B-300-47	W3G-300-47
45-2565	L-5616	45-2565-1	LB-197
		W3B-300-53	W3G-300-53
45-2686	L-5617	45-2686-1	LB-198
		W3B-300-48	W3G-300-48
ST2222-21	L-5617	45-1302-1	LB-198
		W3B-300-69	W3G-300-69
ST2222-22	L-5617	45-1212-1	LB-198
		W3B-300-75	W3G-300-75
ST2222-23	L-5616	L-5562	LB-197
		W3B-300-36	W3G-300-36
ST2222-26	L-5617	45-1610-1	LB-198
		W3B-300-45	W3G-300-45
ST2222-27	L-5616	45-1611-1	LB-197
		W3B-300-45B	W3G-300-45B

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WIRE INSULATION REMOVAL

Table 6 (continued)

Insulation Removal Tool	Component		
	Basic Unit	Blade	Grip Pads
ST2222-28	L-5617	45-1987-1	LB-198
		W3B-300-30	W3G-300-30
ST2222-29	L-5617	45-1654-1	LB-198
		W3B-300-52	W3G-300-52
ST2222-30	L-5616	45-1608-1	LB-197
		W3B-300-42	W3G-300-42
ST2222-32	L-5616	45-1609-1	LB-197
		W3B-300-44	W3G-300-44
ST2222-33	L-5617	45-1633-1	LB-198
		W3B-300-43	W3G-300-43
ST2222-38	L-5617	-	LB-198
		W3BC-2222-38	W3G-2222-38
ST2222-39	L-5616	-	LB-197
		W3BC-2222-39	W3G-2222-39
ST2222-40	L-5617	45-2543-1	LB-198
		W3BGP-300-50	W3GGP-300-50
ST2222-41	L-5616	45-2541-1	LB-197
		W3B-300-59	W3G-300-59
ST2222-42	L-5617	45-2564-1	LB-198
		W3B-300-47	W3G-300-47
ST2222-43	L-5616	45-2565-1	LB-197
		W3B-300-53	W3G-300-53
ST2222-44	L-5616	45-2542-1	LB-197
		W3B-300-60	W3G-300-60
ST2222-45	L-5617	45-2686-1	LB-198
		W3B-300-48	W3G-300-48
ST2222-46	L-5617	-	LB-198
		W3B-300-64	W3G-300-64
ST2222-47	L-5617	45-1500-1	LB-198
		W3B-300-65	W3G-300-65
ST2222-48	L-5616	45-1501-1	LB-197
		W3B-300-77	W3G-300-77

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WIRE INSULATION REMOVAL

Table 6 (continued)

Insulation Removal Tool	Component		
	Basic Unit	Blade	Grip Pads
ST2222-49	L-5617	45-1980-1	LB-198
		W3B-300-58	W3G-300-58
ST2222-50	L-5617	45-1551-1	LB-198
		W3B-300-78	W3G-300-78

4. TOOL SUPPLIERS

A. Insulation Removal Tools

Table 7
INSULATION REMOVAL TOOL SUPPLIERS

Removal Tool	Supplier
45-1159	Ideal Industries
45-1159-1	Ideal Industries
45-1212	Ideal Industries
45-1212-1	Ideal Industries
45-1302	Ideal Industries
45-1302-1	Ideal Industries
45-1500	Ideal Industries
45-1500-1	Ideal Industries
45-1501	Ideal Industries
45-1501-1	Ideal Industries
45-1551	Ideal Industries
45-1551-1	Ideal Industries
45-1608	Ideal Industries
45-1608-1	Ideal Industries
45-1609	Ideal Industries
45-1609-1	Ideal Industries
45-1610	Ideal Industries
45-1610-1	Ideal Industries
45-1611	Ideal Industries
45-1611-1	Ideal Industries
45-1633	Ideal Industries
45-1633-1	Ideal Industries

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WIRE INSULATION REMOVAL

Table 7 (continued)

Removal Tool	Supplier
45-1654	Ideal Industries
45-1654-1	Ideal Industries
45-173	Ideal Industries
45-1980	Ideal Industries
45-1980-1	Ideal Industries
45-1987	Ideal Industries
45-1987-1	Ideal Industries
45-2108-1	Ideal Industries
45-2541	Ideal Industries
45-2541-1	Ideal Industries
45-2542	Ideal Industries
45-2542-1	Ideal Industries
45-2543	Ideal Industries
45-2543-1	Ideal Industries
45-2564	Ideal Industries
45-2564-1	Ideal Industries
45-2565	Ideal Industries
45-2565-1	Ideal Industries
45-2612-1	Ideal Industries
45-2686	Ideal Industries
45-2686-1	Ideal Industries
45-400	Ideal Industries
45-401	Ideal Industries
45-402	Ideal Industries
45-403	Ideal Industries
45-404	Ideal Industries
K-6402	Ideal Industries
K-6403	Ideal Industries
K-6491	Ideal Industries
K-6492	Ideal Industries
K-6493	Ideal Industries
K-6494	Ideal Industries
K-6495	Ideal Industries

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WIRE INSULATION REMOVAL

Table 7 (continued)

Removal Tool	Supplier
K-6496	Ideal Industries
K-6497	Ideal Industries
K-6498	Ideal Industries
K-6499	Ideal Industries
K-6500	Ideal Industries
K-6501	Ideal Industries
K-6502	Ideal Industries
K-6503	Ideal Industries
K-6794	Ideal Industries
L-5562	Ideal Industries
L-5616	Ideal Industries
L-5617	Ideal Industries
LB-197	Ideal Industries
LB-198	Ideal Industries
ST2222-21	Boeing
ST2222-22	Boeing
ST2222-26	Boeing
ST2222-27	Boeing
ST2222-28	Boeing
ST2222-29	Boeing
ST2222-30	Boeing
ST2222-32	Boeing
ST2222-33	Boeing
ST2222-34	Boeing
ST2222-38	Boeing
ST2222-39	Boeing
ST2222-40	Boeing
ST2222-41	Boeing
ST2222-42	Boeing
ST2222-43	Boeing
ST2222-44	Boeing
ST2222-45	Boeing
ST2222-46	Boeing

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STANDARD WIRING PRACTICES MANUAL

WIRE INSULATION REMOVAL

Table 7 (continued)

Removal Tool	Supplier
ST2222-47	Boeing
ST2222-48	Boeing
ST2222-49	Boeing
ST2222-50	Boeing
W3B-300-30	Western Industrial
W3B-300-36	Western Industrial
W3B-300-42	Western Industrial
W3B-300-43	Western Industrial
W3B-300-44	Western Industrial
W3B-300-45	Western Industrial
W3B-300-45B	Western Industrial
W3B-300-47	Western Industrial
W3B-300-48	Western Industrial
W3B-300-52	Western Industrial
W3B-300-53	Western Industrial
W3B-300-58	Western Industrial
W3B-300-59	Western Industrial
W3B-300-60	Western Industrial
W3B-300-64	Western Industrial
W3B-300-65	Western Industrial
W3B-300-69	Western Industrial
W3B-300-75	Western Industrial
W3B-300-77	Western Industrial
W3B-300-78	Western Industrial
W3BC-2222-38	Western Industrial
W3BC-2222-39	Western Industrial
W3BGP-300-50	Western Industrial
W3G-2222-38	Western Industrial
W3G-2222-39	Western Industrial
W3G-300-30	Western Industrial
W3G-300-36	Western Industrial
W3G-300-42	Western Industrial
W3G-300-43	Western Industrial

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STANDARD WIRING PRACTICES MANUAL**WIRE INSULATION REMOVAL****Table 7 (continued)**

Removal Tool	Supplier
W3G-300-44	Western Industrial
W3G-300-45	Western Industrial
W3G-300-45B	Western Industrial
W3G-300-47	Western Industrial
W3G-300-48	Western Industrial
W3G-300-52	Western Industrial
W3G-300-53	Western Industrial
W3G-300-58	Western Industrial
W3G-300-59	Western Industrial
W3G-300-60	Western Industrial
W3G-300-64	Western Industrial
W3G-300-65	Western Industrial
W3G-300-69	Western Industrial
W3G-300-75	Western Industrial
W3G-300-77	Western Industrial
W3G-300-78	Western Industrial
W3GGP-300-50	Western Industrial

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STANDARD WIRING PRACTICES MANUAL

OUTER DIAMETER OF WIRE

<u>Paragraph</u>	<u>Page</u>
1. <u>OUTER DIAMETER OF WIRE</u>	1
A. O.D. of a Wire	1
B. O.D. of Specified Wires	2

For training purposes only!

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STANDARD WIRING PRACTICES MANUAL

OUTER DIAMETER OF WIRE

This Subject gives the range of the outer diameters of specified Boeing and Military standard wires.

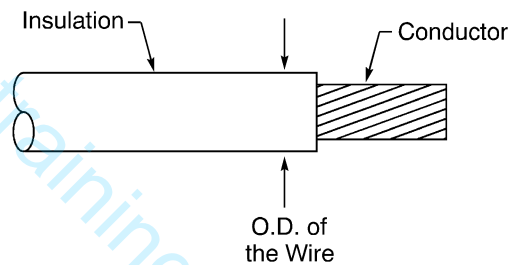
1. OUTER DIAMETER OF WIRE

A. O.D. of a Wire

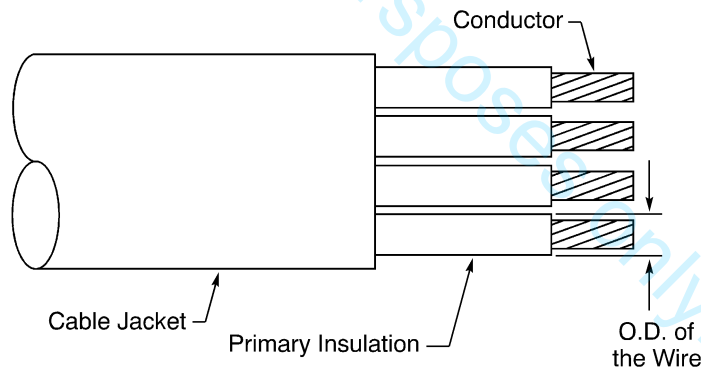
The O.D. of a wire is the distance from the outside edge of the insulation through the center of the conductor to the opposite, outside edge of the insulation.

Refer to:

- Figure 1 for the O.D. of one wire
- Figure 2 for the O.D. of a wire in a cable
- Figure 3 for the O.D. of one wire that has a shield and a jacket
- Figure 4 for the O.D. of a wire in a cable that has a shield and a jacket.



O.D. OF A WIRE
Figure 1

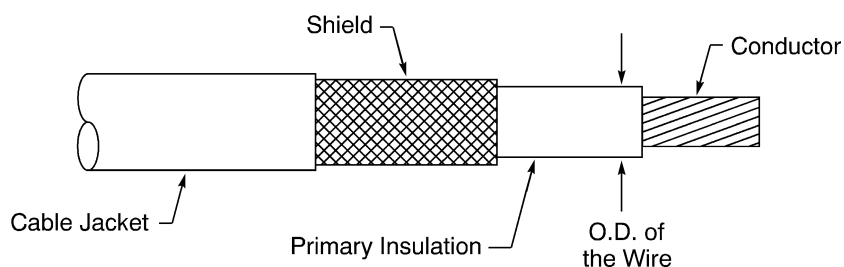


O.D. OF A WIRE IN A CABLE
Figure 2

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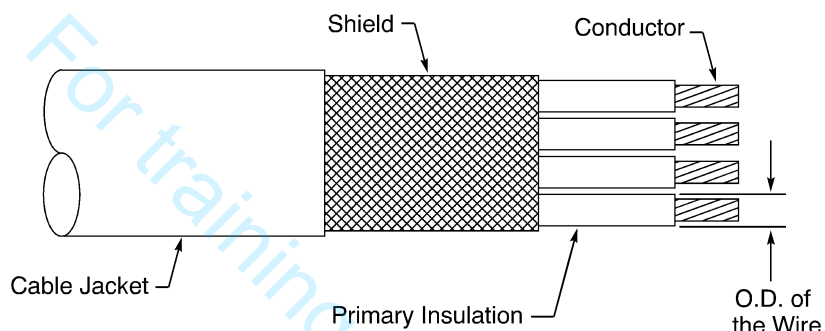
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OUTER DIAMETER OF WIRE



O.D. OF A WIRE IN A SHIELDED CABLE

Figure 3



O.D. OF A WIRE IN A SHIELDED CABLE

Figure 4

B. O.D. of Specified Wires

Table 1
WIRE O.D.

Wire or Cable Specification	Wire Size Range (AWG)	Wire O.D. Range (inch)
BMS13-31	22 - 20	0.060 to 0.088
	18 - 14	0.088 to 0.130
BMS13-48 Type 1	24 - 20	Less than 0.06
BMS13-48 Type 2	24 - 20	Less than 0.06
BMS13-48 Type 3	24 - 20	Less than 0.06
BMS13-48 Type 4	24 - 20	Less than 0.06
BMS13-48 Type 5	24 - 20	Less than 0.06
BMS13-48 Type 6	24 - 20	Less than 0.06
BMS13-48 Type 7	24 - 20	Less than 0.06
BMS13-48 Type 8	24 - 20	Less than 0.06
BMS13-48 Type 9	24 - 20	Less than 0.06
BMS13-48 Type 10	24 - 20	Less than 0.06

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STANDARD WIRING PRACTICES MANUAL

OUTER DIAMETER OF WIRE

Table 1 (continued)

Wire or Cable Specification	Wire Size Range (AWG)	Wire O.D. Range (inch)
BMS13-48 Type 11	24 - 20	Less than 0.06
BMS13-48 Type 12	24 - 20	Less than 0.06
BMS13-48 Type 13	24 - 20	Less than 0.06
BMS13-48 Type 14	24 - 20	Less than 0.06
BMS13-48 Type 15	24 - 20	Less than 0.06
BMS13-48 Type 16	24	Less than 0.06
	22 - 18	0.060 to 0.088
	16 - 14	0.088 to 0.130
BMS13-48 Type 17	24	Less than 0.06
	22 - 18	0.060 to 0.088
	16 - 14	0.088 to 0.130
BMS13-48 Type 18	24	Less than 0.06
	22 - 18	0.060 to 0.088
	16 - 14	0.088 to 0.130
BMS13-48 Type 19	24	Less than 0.06
	22 - 18	0.060 to 0.088
	16	0.088 to 0.130
BMS13-48 Type 20	24	Less than 0.06
	22 - 20	0.060 to 0.088
BMS13-48 Type 21	24	Less than 0.06
	22 - 20	0.060 to 0.088
BMS13-48 Type 22	24	Less than 0.06
	22 - 18	0.060 to 0.088
	16	0.088 to 0.130
BMS13-48 Type 23	24 - 20	Less than 0.06
BMS13-48 Type 24	24 - 20	Less than 0.06
BMS13-48 Type 25	24 - 20	Less than 0.06
BMS13-48 Type 26	24 - 20	Less than 0.06
BMS13-48 Type 27	24 - 20	Less than 0.06
BMS13-48 Type 28	24 - 20	Less than 0.06
BMS13-51 Type I	24 - 20	Less than 0.06
BMS13-51 Type III	24 - 20	Less than 0.06

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STANDARD WIRING PRACTICES MANUAL

OUTER DIAMETER OF WIRE

Table 1 (continued)

Wire or Cable Specification	Wire Size Range (AWG)	Wire O.D. Range (inch)
BMS13-51 Type VIII	24 - 20	Less than 0.06
BMS13-51 Type IV	24 - 20	Less than 0.06
BMS13-51 Type IX	24 - 20	Less than 0.06
BMS13-51 Type X	24 - 20	Less than 0.06
BMS13-51 Type XI	24 - 20	Less than 0.06
BMS13-51 Type XII	24 - 20	Less than 0.06
BMS13-51 Type XIII	24 - 20	Less than 0.06
BMS13-51 Type XIV	24 - 20	Less than 0.06
BMS13-51 Type XV	24 - 20	Less than 0.06
BMS13-51 Type XVI	24 - 20	Less than 0.06
BMS13-51 Type XVII	24 - 20	Less than 0.06
BMS13-51 Type XVIII	24 - 20	Less than 0.06
BMS13-51 Type XIX	24 - 20	Less than 0.06
BMS13-51 Type XX	24 - 20	Less than 0.06
BMS13-51 Type XXI	24 - 20	Less than 0.06
BMS13-51 Type XXII	24 - 20	Less than 0.06
BMS13-51 Type XXIII	24 - 20	Less than 0.06
BMS13-51 Type XXIV	24 - 20	Less than 0.06
BMS13-51 Type XXV	24 - 20	Less than 0.06
BMS13-51 Type XXVI	24 - 20	Less than 0.06
BMS13-51 Type XXVII	24 - 20	Less than 0.06
BMS13-51 Type XXVIII	24 - 20	Less than 0.06
BMS13-51 Type XXIX	24 - 20	Less than 0.06
BMS13-51 Type XXX	24 - 20	Less than 0.06
BMS13-51 Type XXXI	24 - 20	Less than 0.06
BMS13-51 Type XXXII	24 - 20	Less than 0.06
BMS13-51 Type XXXIII	24 - 20	Less than 0.06
BMS13-51 Type XXXIV	24 - 20	Less than 0.06
BMS13-51 Type XXXV	24 - 20	Less than 0.06
BMS13-51 Type XXXVI	24 - 20	Less than 0.06
BMS13-51 Type XXXVII	24 - 20	Less than 0.06
BMS13-51 Type XXXVIII	24 - 20	Less than 0.06

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STANDARD WIRING PRACTICES MANUAL

OUTER DIAMETER OF WIRE

Table 1 (continued)

Wire or Cable Specification	Wire Size Range (AWG)	Wire O.D. Range (inch)
BMS13-51 Type XXXIX	24 - 20	Less than 0.06
BMS13-51 Type XL	24 - 20	Less than 0.06
BMS13-51 Type XLI	24 - 20	Less than 0.06
BMS13-51 Type XLII	24 - 20	Less than 0.06
BMS13-51 Type XLIII	24 - 20	Less than 0.06
BMS13-55	22 - 20	0.060 to 0.088
	18 - 14	0.088 to 0.130
BMS13-58	24 - 20	0.060 to 0.088
	18 - 14	0.088 to 0.130
BMS13-60 Type 1	24 - 20	Less than 0.06
BMS13-60 Type 2	24 - 20	Less than 0.06
BMS13-60 Type 3	24 - 20	Less than 0.06
BMS13-60 Type 4	24 - 20	Less than 0.06
BMS13-60 Type 5	24 - 20	Less than 0.06
BMS13-60 Type 6	24 - 20	Less than 0.06
BMS13-60 Type 7	22 - 18	0.060 to 0.088
	16 - 14	0.088 to 0.130
BMS13-60 Type 8	22 - 18	0.060 to 0.088
	16 - 14	0.088 to 0.130
BMS13-60 Type 9	22 - 18	0.060 to 0.088
	16 - 14	0.088 to 0.130
BMS13-60 Type 10	22 - 18	0.060 to 0.088
	16	0.088 to 0.130
BMS13-60 Type 11	22 - 18	0.060 to 0.088
	16	0.088 to 0.130
BMS13-60 Type 12	22 - 18	0.060 to 0.088
	16	0.088 to 0.130
MIL-W-22759/3	22 - 20	0.060 to 0.088
	18 - 14	0.088 to 0.130
MIL-W-22759/32	22 - 20	Less than 0.06
MIL-W-22759/46	24	Less than 0.06

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