METASYS®

Fire Management Cable Reference Guide

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Cable Reference Guide

71030 Subassembly, Cable, MPS to ICA-4 Power

- 6-wire cable assembly
- Approximately 59.00 inches long
- Contains one 15-position MTA connector (.156 inch centers) on one end of the cable assembly and one 8-position MTA connector (.156 inch centers) on the opposite end of the cable assembly.

This cable connects the MPS-24 (P2) or MPS-24B (P2) to the ICA-4 (Plug A). Because it is folded, the installer determines how long the cable should be by removing the appropriate cable ties.

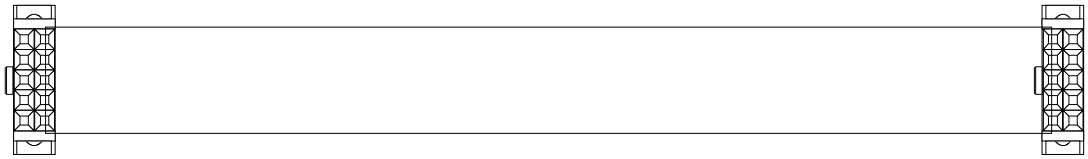


71030

71031 Subassembly Cable, Ribbon, Power Supervision

- 10-wire ribbon cable assembly
- Approximately 52.00 inches long folded and 76.00 inches long unfolded
- Contains two 2 x 5 pin connector housings with strain reliefs. Each end of the cable assembly contains a housing.

This cable connects the MPS-24 (P3), MPS-24A (P3) or the MPS-24B (P3) to the CPU-2020 (P2).



71031

71032 Subassembly, Cable, Ribbon, DIB to CPU (IFC-2020)

- 16-wire ribbon cable assembly
- Approximately 5.87 inches long
- Contains two 2 x 8 pin connector housings. Each end of the cable assembly contains a housing.

This cable connects the DIB-PCA (P3) to the CPU-2020 (P3).

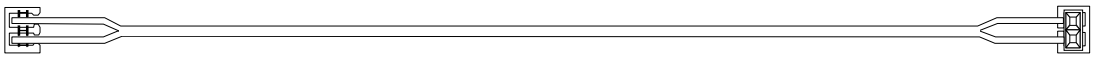


71032

71033 Subassembly, Cable, Ribbon Supervisory

- 2-wire ribbon cable assembly
- Approximately 33.50 inches long folded and 60.34 inches long unfolded
- Contains two 2-position MTA connectors (.100 inch centers). Each end of the cable assembly contains a connector.

This cable connects the AVPS-24 (P2) to the CPU-2020 (P5), the AVPS-24 (P2) to the CPU-1010 (P5), the MPS-24A (P5) to the AVPS-24 (P1), or the MPS-24B (P4) to the AVPS-24 (P1).

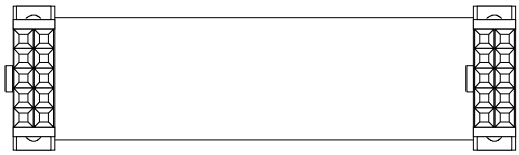


71033

71045 Subassembly, Cable, Ribbon, DIB to LCD (IFC-2020)

- 14-wire ribbon cable assembly
- Approximately 2.37 inches long
- Contains two 2 x 7 pin connector housings with strain reliefs. Each end of the cable assembly contains a housing.

This cable connects the DIB-PCA (P2) to the LCD of the DIA-1 or DIA-2.



71045

71046 Subassembly, Cable, Ribbon, DIB to SIB (IFC-2020)

- 20-wire folded ribbon cable assembly
- Approximately 16.00 inches long folded and 23.00 inches long unfolded
- Contains two 2 x 10 pin connector housings with strain reliefs. Each end of the cable assembly contains a housing.

This cable connects the DIB-PCA (P4) to the following: SIB-64 (P4), SIB-232 (P4), SIB-2048 (P4), or SIB-N2 (P4).



71046

71070 Subassembly, Cable, Battery Interconnect

- Single wire cable assembly
- Approximately 3.00 inches long
- Contains two insulated .250 female terminal lugs. Each end of the wire contains a lug.

This cable connects the battery (+) of one battery to the battery (-) of a second battery.



71070

71071 Subassembly, Cable, MPS-24/MPS-24A to Battery (+)

- Single wire cable assembly
- Approximately 14.00 inches long
- Contains one insulated terminal fork on one end of the wire and one insulated .250 female terminal lug on the opposite end of the wire.

This cable connects the MPS-24A (TB2-1) or the MPS-24 (TB1-5) to battery (+).



71071

71072 Subassembly, Cable, MPS-24/MPS-24A to Battery (-)

- Single wire cable assembly
- Approximately 27.00 inches long
- Contains one insulated terminal fork on one end of the wire and one insulated .250 female terminal lug on the opposite end of the wire.

This cable connects the MPS-24A (TB2-2) or the MPS-24 (TB1-4) to battery (-).

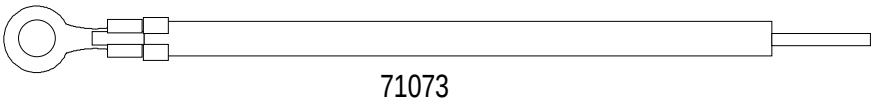


71072

71073 Subassembly, Cable, Grounding

- Single wire cable assembly
- Approximately 10.00 inches long
- Contains one ring terminal lug on one end of the wire with the opposite end of the wire stripped .375 inches.

This is a general purpose cable that may be used on any component requiring connection to ground.



71073

71085 Subassembly, Cable, Ribbon, Power Supervision

- 10-wire ribbon cable assembly
- Approximately 36.00 inches long
- Contains two 2 x 5 pin connector housings with strain reliefs. Each end of the cable assembly contains a housing.

This cable connects the MPS-24 (P3), MPS-24A (P3), or the MPS-24B (P3) to the CPU-2000 (J7).

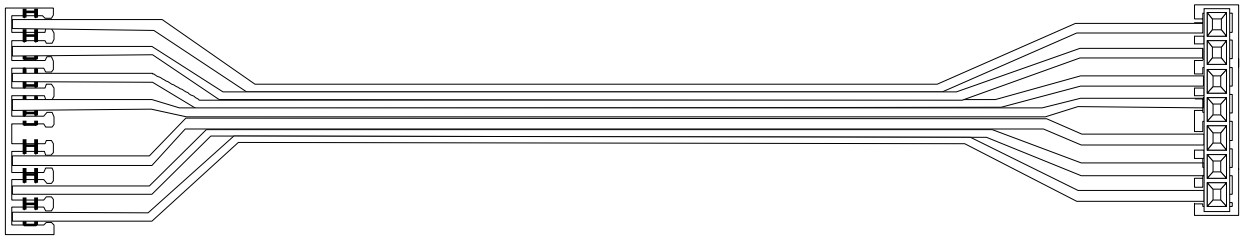


71085

71086 Subassembly, Cable, Power Harness

- 7-wire cable assembly
- Approximately 36.00 inches long
- Contains one 8-position MTA connector (.156 inch centers) on one end of the assembly and one seven-position MTA connector (.156 inch centers) on the opposite end of the cable assembly.

This cable connects the MPS-24 (P4), MPS-24A (P2) or the MPS-24B (P2) to the CPU-2000 (J9). The 8-position connector connects to the power supply.

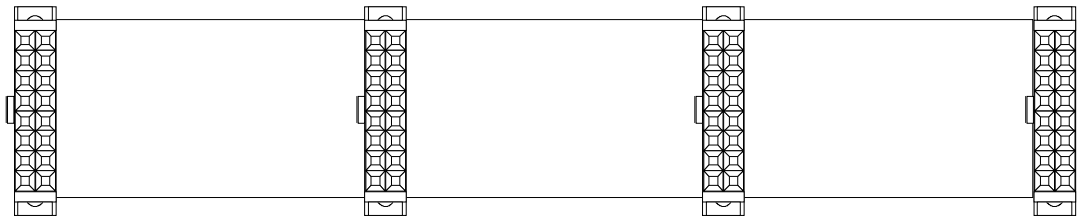


71086

71087 Subassembly, FC-2000 First Row Module Interconnect

- 14-wire ribbon cable assembly
- Approximately 31.00 inches long
- Contains four 2 x 7 pin connector housings with strain reliefs. Each end of the cable assembly contains one housing, with two positioned in between.

This cable interconnects first row FC-2000 modules with CPU-2000s manufactured before November, 1991.

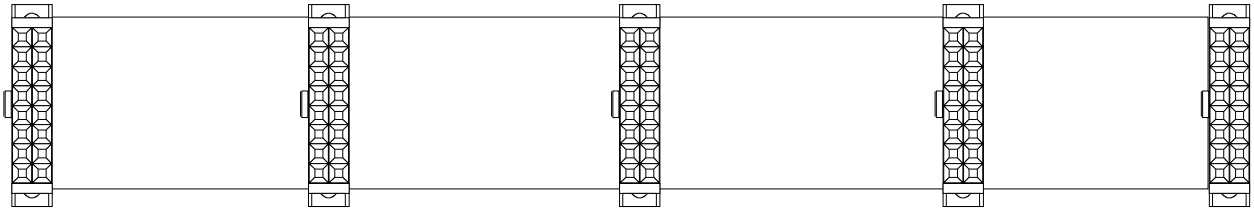


71087

71088 Subassembly, Cable, FC-2000 Expander Module Interconnect

- 14-wire ribbon cable assembly
- Approximately 66.00 inches long
- Contains five 2 x 7 pin connector housings with strain reliefs. Each end of the cable assembly contains one housing, with three positioned in between.

This cable interconnects second row FC-2000 expander modules with the CPU-2000.

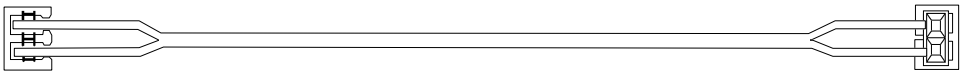


71088

71091 Subassembly, Cable, Auxiliary Bell Power

- 2-wire cable assembly
- Approximately 24.00 inches long
- Contains two 2-position MTA connectors (.156 inch centers). Each end of the cable assembly contains a MTA connector.

This cable connects the AVPS-24 (P3) to the ICM-4 (J5) or to the XPC-8 pins (P3), (P5), (P7), and/or (P9).

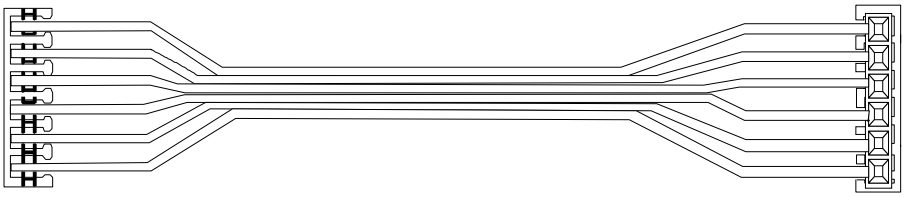


71091

71092 Subassembly, Cable, ARM Harness

- 6-wire cable assembly
- Approximately 24.00 inches long
- Contains two 6-position MTA connectors (.100 inch centers). Each end of the cable assembly contains a connector.

This cable connects the ARM-4 (P1) to the CRM-4 (JP5) or the CRE-4 (JP5).

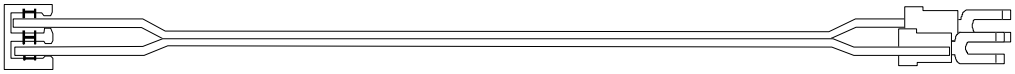


71092

71093 Subassembly, Cable, Main Bell Harness

- 2-wire cable assembly
- Approximately 40.00 inches long
- Contains one 2-position MTA connector (.156 inch centers) on one end of the cable assembly and two insulated, forked lugs. Each open end of the wire contains a forked terminal lug.

This cable connects the MPS-24 [TB-8 (-) and TB-9 (+)] with the CPU-2000 (J5), or the MPS-24A [TB3-3 (+) and TB3-4 (-)] with the CPU-2000 (J5), or the MPS-24B [TB2-1 (+) and TB2-2 (-)] with the CPU-2000 (J5).

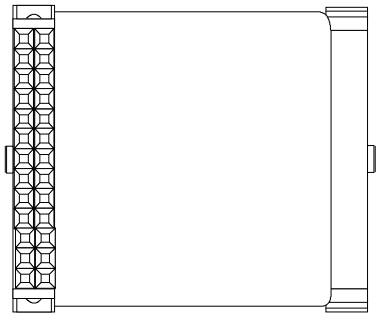


71093

71094 Subassembly, Cable, Ribbon, CPU-2000 Interconnect

- 26-wire ribbon cable assembly
- Approximately 2.50 inches long
- Contains two 2 x 13 pin connector housings with strain reliefs. Each end of the cable assembly contains a connector.

This cable connects the Central Control Board (CCB) (J8) to the Central Processing Board (CPB) (J8) on the CPU-2000. Together, these boards form the CPU. They make up the first set of modules in the first row on the FC-2000.

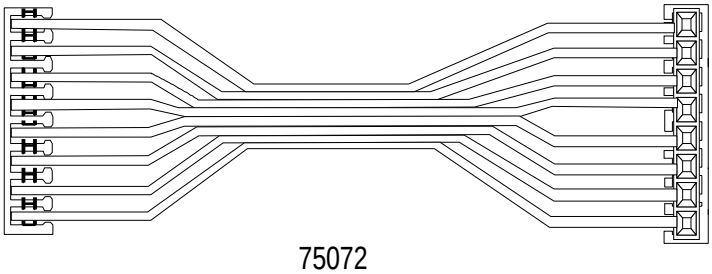


71094

75072 Subassembly, Cable, Relay Inputs

- 8-wire cable assembly
- Approximately 6.50 inches long
- Contains two 8-position MTA connectors (.100 inch centers). Each end of the cable assembly contains a connector.

This cable connects the LDM-32 (P5), (P6), (P7), and (P8) to the LDM-E32 (P5), (P6), (P7), and (P8).



75072

75073 Subassembly, Cable, Ribbon, Annunciator Interconnect

- 20-wire ribbon cable assembly
- Approximately 6.25 inches long
- Contains two 2 x 10 pin connector housings. Each end of the cable contains a housing.

This cable connects the ACM-16 (J2) or the ACM-32 (J2) with the AEM-16 (J3) or AEM-32 (J3).

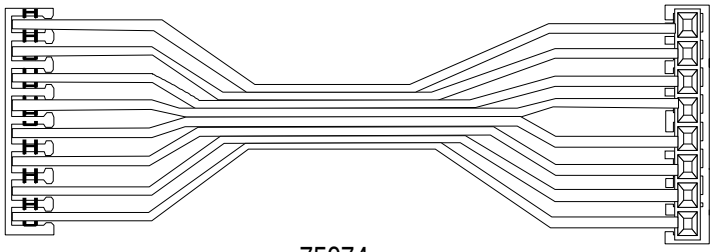


75073

75074 Subassembly, Cable, Power Harness

- 7-wire cable assembly
- Approximately 5.00 inches long
- Contains two 8-position MTA connectors (.156 inch centers). Each end of the cable assembly contains a connector.

This cable connects the MPS-24 (P4), MPS-24A (P4), or the MPS-24B (P2) to the EFB-1 (P2).

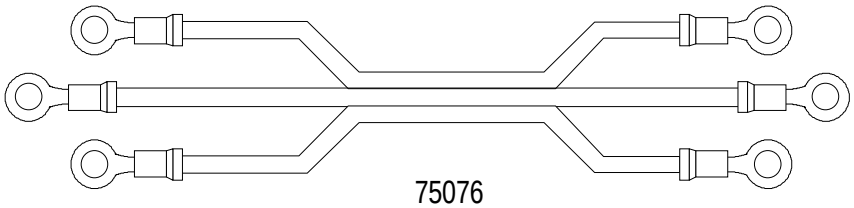


75074

75076 Subassembly, Cable, MPS to AVPS Power

- 3-wire cable assembly
- Approximately 20.00 inches long
- Each wire contains two insulated ring lugs. Each end of each wire contains a lug.

This cable connects the AVPS to the power supply. (Canada)



75076

75077 Subassembly, Cable, AKS-1 Connector

- 2-wire cable assembly
- Approximately 12.00 inches long
- Contains one 2-position MTA connector (.100 inch centers) on one end of the cable assembly. The wires on the opposite end of the cable assembly are terminated with a female terminal lug on each wire.

This cable connects the AKS-1 to the LDM-32 (J4) and/or the LDM-E32 (J4).

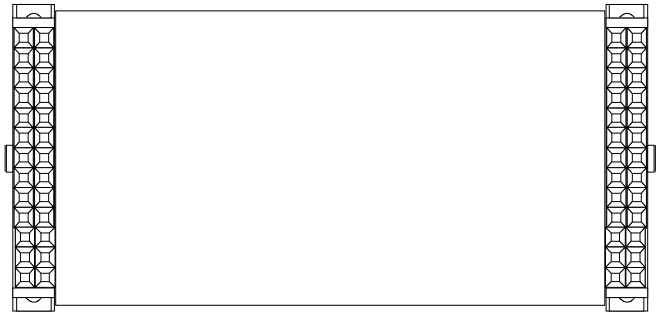


75077

75095 Subassembly, Cable, Ribbon, Transponder Interconnect

- 34-wire ribbon cable assembly
- Approximately 14.00 inches long
- Contains two 2 x 17 pin connector housings with strain reliefs. Each end of the cable assembly contains a housing.

This cable interconnects the transponder modules.

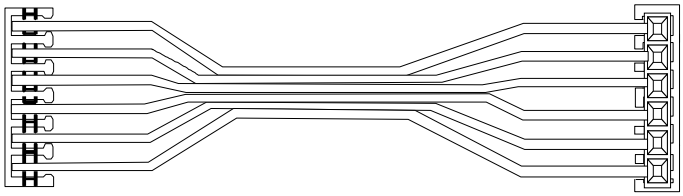


75095

75097 Subassembly, Cable, AMG to FFT

- 6-wire cable assembly
- Approximately 7.50 inches long
- Contains two 6-position MTA connectors (.100 inch centers). Each end of the cable assembly contains a connector.

This cable connects the AMG-1 (P6) to the FFT-7 (P4).

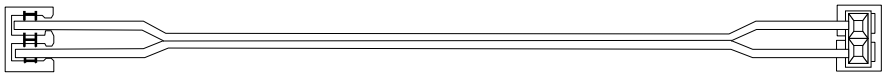


75097

75098 Subassembly, Cable, Normally Open Trouble

- 2-wire cable assembly
- Approximately 12.00 inches long
- Contains two 2-position MTA connectors (.100 inch centers). Each end of the cable assembly contains a connector.

This cable connects the AA-30 (backup) (P9) to the AA-30 (P10) or the AA-30 (P9) to the AMG-1 (P9).



75098

75099 Subassembly, Cable, Low Voltage Power

- 7-wire cable assembly
- Approximately 16.00 inches long
- Contains two 8-position MTA connectors (.156 inch centers). Each end of the cable assembly contains a connector.

Due to the many applications for this cable, refer to the *IFC-1010 Technical Manual*, *IFC-2020 Technical Manual*, and *FC-2000 Technical Manual* for proper installation.



75099

75100 Subassembly, Cable, Low Voltage Power

- 7-wire cable assembly
- Approximately 42.00 inches long
- Contains two 8-position MTA connectors (.156 inch centers). Each end of the cable assembly contains one connector.

Due to the many applications for this cable, refer to the *IFC-1010 Technical Manual448000toc*, *IFC-2020 Technical Manual*, and *FC-2000 Technical Manual* for proper installation.

75103 Subassembly, Microphone AMG/ATG

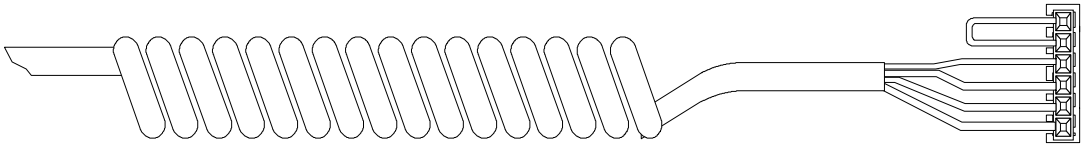


75100

- Microphone assembly

- Contains one 6-position MTA connector (.100 inch centers) attached to the microphone cord

This subassembly connects the microphone to the AMG-1 (J6) or the ATG-2 (J6).

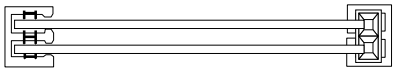


75103

75106 Subassembly, Cable, Transponder Jumper

- 2-wire cable assembly
- Approximately 1.25 inches long
- Contains two 2-position MTA connectors (.156 inch centers). Each end of the cable assembly contains one connector.

This cable connects the XPC-8 (P4) to the XPC-8 (P5), the XPC-8 (P7) to the XPC-8 (P8), and so on.



75106

75108 Subassembly, Cable, Backup Audio Amplifier

- 4-wire cable assembly
- Approximately 12.00 inches long
- Contains two 4-position MTA connectors (.156 inch centers). Each end of the cable assembly contains a connector.

This cable connects the AA-30 (backup) (P6) to the AA-30 (P4).



75108

75109 Subassembly, Cable, Audio Output

- 2-wire cable assembly
- Approximately 36.00 inches long
- Contains one 4-position MTA connector (.156 inch centers) on one end of the cable assembly and one 2-position MTA connector (.156 inch centers) on the opposite end of the cable assembly.

This cable connects the AA-30 (P6) to the XPC-8 (P3) or the AA-30 (P7) to the XPC-8 (P10) for single channel connections.

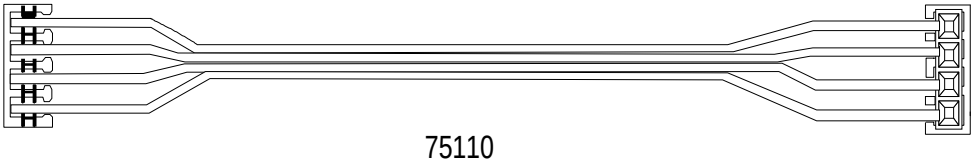


75109

75110 Subassembly, Cable, Audio Input

- 4-wire cable assembly
- Approximately 16.00 inches long
- Contains two 4-position MTA connectors (.100 inch centers). Each end of the cable assembly contains a connector.

This cable connects the audio output of the AMG-1 (P5) to the audio output of the AA-30 (P2).

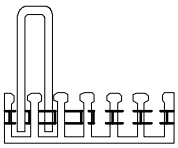


75110

75111 Subassembly, Cable, Microphone Jumper

- 6-position MTA connector (.100 inch centers)
- Contains a jumper wire

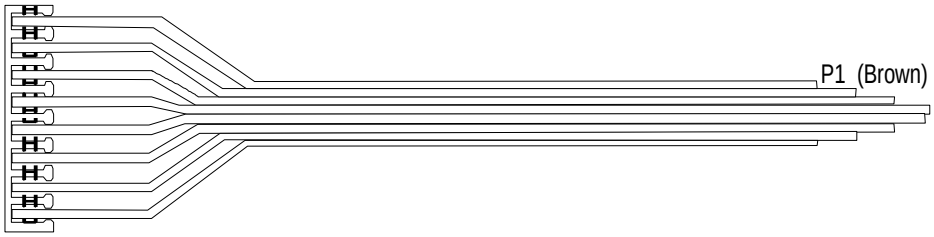
This assembly is used in place of the microphone assembly 75103 on the AMG-E (J6).



75111

75116 Subassembly, Cable, LDM-32 Lamp Outputs

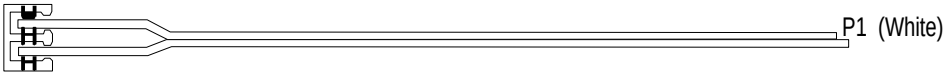
- 8-wire cable assembly
- Approximately 24.00 inches long
- Contains one 8-position MTA connector (.100 inch centers) on one end of the cable assembly. The wires on the opposite end of the cable assembly are stripped by the installer prior to installation.



75116

75117 Subassembly, Cable, LDM-32 Acknowledge/ Lamp Input

- 2-wire cable assembly
- Approximately 24.00 inches long
- Contains one 2-position MTA connector (.100 inch centers) on one end of the cable assembly. The wires on the opposite end of the cable assembly are stripped by the installer prior to installation.

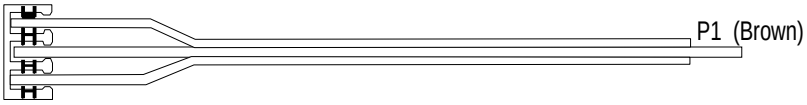


75117

75118 Subassembly, Cable, LDM-32 Lamp Power

- 3-wire cable assembly
- Approximately 24.00 inches long
- Contains one 3-position MTA connector (.100 inch centers) on one end of the cable assembly. The wires on the opposite end of the cable assembly are stripped by the installer prior to installation.

This cable connects the LDM-32 (J9) to the common side of the annunciator LEDs and to the System Trouble LED.

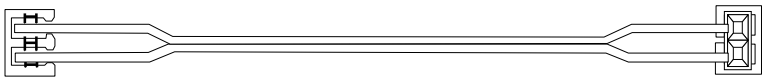


75118

75119 Subassembly, Cable, LDM Relay Power

- 2-wire cable assembly
- Approximately 6.50 inches long
- Contains two 2-position MTA connectors (.100 inch centers). Each end of the cable assembly contains a connector.

This cable connects the LDM-R32 (J10) to the LDM-E32 (J10).

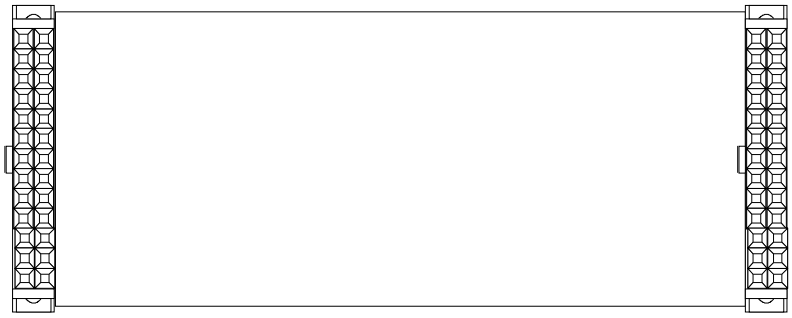


75119

75120 Subassembly, Cable, LDM Expander Ribbon

- 26-wire ribbon cable assembly
- Approximately 7.75 inches long
- Contains two 2 x 13 pin connector housings with strain reliefs. Each end of the cable assembly contains a housing.

This cable connects the LDM-32 or LDM-E32 (J2) with the next LDM-E32 (J2).



75120

75121 Subassembly, Cable, Audio Power/Indicating Appliance

- 2-wire cable assembly
- Approximately 60.00 inches long
- Contains one 2-position MTA connector (.156 inch centers) on one end of the cable assembly. The wires on the opposite end of the cable assembly are stripped/tinned.

This cable connects the MPS-24, MPS24A, or the MPS-24B to the XPC-8 (P3)/XPC-8 (P4).



75121

75122 Subassembly, Cable, LDM-32 Switch Inputs

- 10-wire cable assembly
- Approximately 24.00 inches long
- Contains one 10-position MTA connector (.100 inch centers) on one end of the cable assembly. The wires on the opposite end of the cable assembly are stripped by the installer prior to installation.

This cable connects J1, pins 1 through 10, on the LDM-32 to the control switches.

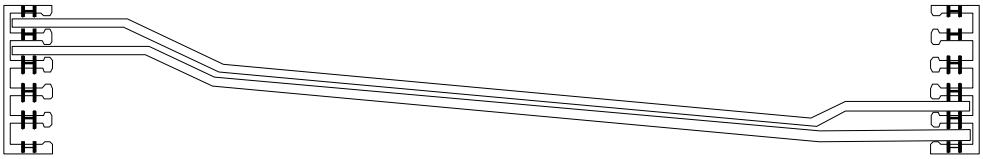


75122

75136 Subassembly, Cable, Dual Channel Cascade

- 2-wire cable assembly
- Approximately 24.00 inches long
- Contains two 5-position MTA connectors (.100 inch centers). Each end of the cable assembly contains one connector.

This cable connects the primary AMG-1 (P10) to the secondary AMG-1 (P10).

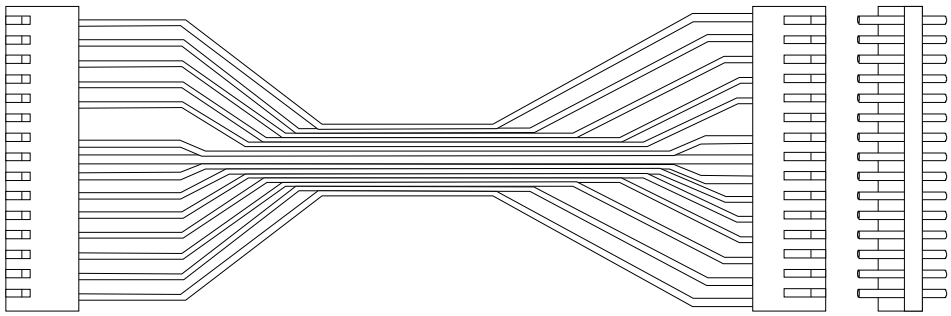


75136

75142 Subassembly, Cable, ICA-4 Interconnect

- 14-wire cable assembly
- Approximately 36.00 inches long
- Contains two 15-position MTF connectors (.156 inch centers). Each end of the cable assembly contains a connector.
- Includes a 15-position square post header used to make the final connection

This cable connects two separated ICA-4s. It goes from the top ICA-4 (plug B) to the bottom ICA-4 (plug A). Plug B is located on the bottom of each IDA-4 chassis and plug A is located on the top of each chassis.

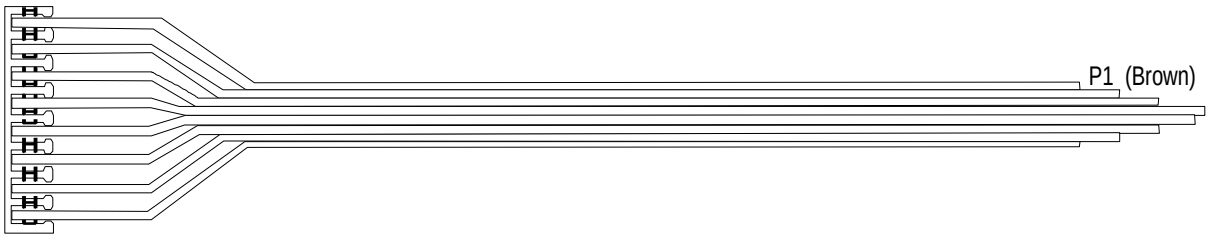


75142

75147 Subassembly, Cable, LDM-32 Lamp Outputs

- 8-wire cable assembly
- Approximately 48.00 inches long
- Contains one 8-position MTA connector (.100 inch centers) on one end of the cable assembly. The wires on the opposite end of the cable assembly are stripped by the installer prior to installation.

This cable connects J5, J6, J7, or J8 on the LDM-32 to the annunciator LEDs or lamps.



75147

75148 Subassembly, Cable, LDM-32 Acknowledge/ Lamp Input

- 2-wire cable assembly
- Approximately 48.00 inches long
- Contains one 2-position MTA connector (.100 inch centers) on one end of the cable assembly. The wires on the opposite end of the cable assembly are stripped by the installer prior to installation.

This cable connects J1, pins 11 and 12, on the LDM-32 to the Acknowledge/Lamp Test switch on the annunciator.



75148

75149 Subassembly, Cable, LDM-32 Lamp Power

- 3-wire cable assembly
- Approximately 48.00 inches long
- Contains one 3-position MTA connector (.100 inch centers) on one end of the cable assembly. The wires on the opposite end of the cable assembly are stripped by the installer prior to installation.

This cable connects the LDM-32 (J9) to the common side of the annunciator LEDs and to the System Trouble LED.

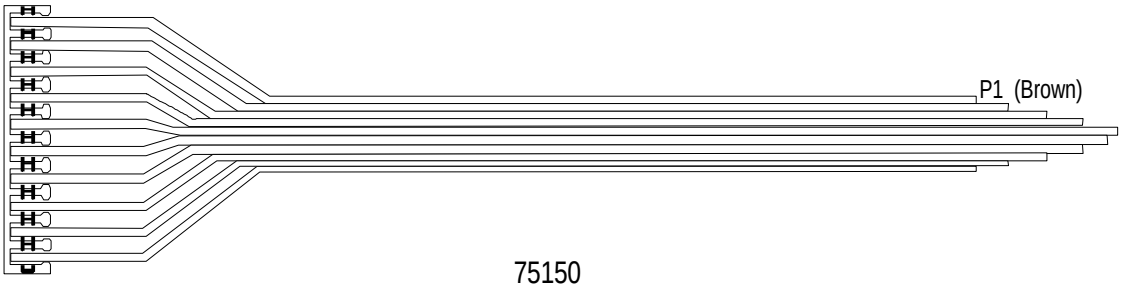


75149

75150 Subassembly, Cable, LDM-32 Switch Inputs

- 10-wire cable assembly
- Approximately 48.00 inches long
- Contains one 10-position MTA connector (.100 inch centers) on one end of the cable assembly. The wires on the opposite end of the cable assembly are stripped by the installer prior to installation.

This cable connects J1, pins 1 through 10, on the LDM-32 to the control switches.



75150

75159 Subassembly, Cable, Battery Interconnect

- Single wire cable assembly
- Approximately 6.00 inches long
- Contains two insulated .187 female terminal lugs. Each end of the wire contains a lug.

This cable connects battery (+) of one battery to the battery (-) of a second battery.



75159

75160 Subassembly, Cable, MPS-24B to Battery (+)

- Single wire cable assembly
- Approximately 15.00 inches long
- Contains one insulated terminal fork on one end of the cable assembly and one insulated .187 female terminal lug on the opposite end of the cable assembly.

This cable connects the MPS-24B (TB2-5) to battery (+).



75160

75161 Subassembly, Cable, MPS-24B to Battery (-)

- Single wire cable assembly
- Approximately 15.00 inches long
- Contains one insulated terminal fork on one end of the cable assembly and one insulated .187 female terminal lug on the opposite end of the cable assembly.

This cable connects the MPS-24B (TB2-6) to battery (-).



75161

75170 Subassembly, Cable, Ribbon Power Supervision

- 10-wire ribbon cable assembly
- Approximately 6.50 inches long
- Contains two 2 x 5 pin connector housings with strain reliefs. Each end of the cable assembly contains a housing.

This cable connects the MPS-24 (P3), MPS-24A (P3), or the MPS-24B (P3) to the EFB-1 (P1).

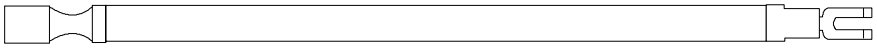


75170

75172 Subassembly, Cable, MPS-24B to Battery (-)

- Single wire cable assembly
- Approximately 9.00 inches long
- Contains one insulated terminal fork on one end of the cable assembly and one insulated .187 female terminal lug on the opposite end of the cable assembly.

This cable connects the MPS-24B (TB2-6) to battery (-).



75172

75173 Subassembly, Cable, MPS-24B to Battery (-)

- Single wire cable assembly
- Approximately 9.00 inches long
- Contains one insulated terminal fork on one end of the cable assembly and one insulated .250 female terminal lug on the opposite end of the cable assembly.

This cable connects the MPS-24B (TB2-6) to battery (-).



75173

75186 Subassembly, Cable, FFT-7S to AVPS-24 Supervisory

- 2-wire folded ribbon cable assembly
- Approximately 33.50 inches long folded and 60.34 inches long unfolded
- Contains one 2-position MTA connector (.100 inch centers) on one end of the cable assembly and one 6-position MTA connector (.100 inch centers) on the opposite end of the cable assembly.

This cable connects the FFT-7S (P4) to the AVPS-24 (P2).



75186

75225 Subassembly, Cable, DIB to LCD (IFC-1010)

- 14-wire ribbon cable assembly
- Approximately 6.00 inches long
- Contains two 2 x 7 pin connector housings with strain reliefs. Each end of the cable assembly contains a housing.

This cable connects the DIB-PCA (P2) to the LCD.



75225

75226 Subassembly, Cable, DIB to CPU (IFC-1010)

- 16-wire ribbon cable assembly
- Approximately 12.00 inches long
- Contains two 2 x 8 pin connector housings with strain reliefs. Each end of the cable assembly contains a housing.

This cable connects the DIB-PCA (P3) to the CPU-1010 (P3).



75226

Notes

Notes

Notes

JOHNSON CONTROLS

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