

49760A Molded Cable Assemblies - D-Subminiature Assembly



For more Information
please call

1-800-Belden1



General Description:

50-position shielded D-Sub, for high-density applications where assembly is exposed to high noise environment, polyethylene insulation, foil plus braid shield, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------------|-----|-----------|--------------------|------------|
| 50 | 26 | 7x34 | TC - Tinned Copper | .019 |

Total Number of Conductors: 50

Number of Pins: 50

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PE - Polyethylene | 0.01 |

Connector Characteristics

Connector Characteristics - First End # of Connector Contacts/positions: 50

Connector Characteristics - First End Connector Gender: Male

Connector Characteristics - First End Connector Shielding Type: Metal Backshells

Connector Characteristics - First End Connector Type: D-Sub

Connector Characteristics - First End Overmold Color: Chrome

Connector Characteristics - First End Overmold Compound Material: PVC

Connector Characteristics - First End Overmold Type: 50 Position D-Sub

Connector Characteristics - First End Retention Hardware: Thumbscrew

Connector Characteristics - Second End # of Connector Contacts/positions: 50

Connector Characteristics - Second End Connector Gender: Male

Connector Characteristics - Second End Connector Shielding Type: Metal Backshells

Connector Characteristics - Second End Connector Type: D-Sub

Connector Characteristics - Second End Overmold Color: Chrome

Connector Characteristics - Second End Overmold Compound Material: PVC

Connector Characteristics - Second End Overmold Type: 50 Position D-Sub

Connector Characteristics - Second End Retention Hardware: Thumbscrew

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|--|--------------|
| 1 | Duofoil® | Tape | Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | TC - Tinned Copper | 90 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 22 | 7x30 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.049 |

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Overall Cable

Overall Nominal Diameter: 0.535 in.

Assembly Dimensional

Assembly Dimensional Length: 5

Wiring

Wiring: Wiring: Point to Point. Pin #1 on end 1 to pin #1 on end 2. Pin #2 to pin #2, etc. Cable shield connected to connector shell.

Mechanical Characteristics (Overall)

UL Temperature Rating: 80°C (UL AWM Style 2919)

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|--|
| NEC/UL Specification: | CM (cable only) |
| AWM Specification: | UL Style 2919 (30 V 80°C) (cable only) |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 05/01/2006 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL Order #39 (China RoHS): | Yes |

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 2919)

Notes (Overall)

Notes: Molded handles are 100% shielded to guard against EMI/RFI and assist in FCC compliance. All connectors tin-plated and male connectors have detents to allow for a positive shield to ground connection.

Notes (Cont'd.): Wiring is point-to-point with the shield to connector shell. Jack screw retention on both connectors.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|-------|-------------|--------|-------|--------------------------|
| 49760A 060S2 | 1 EA | 0.520 LB | CHROME | | 50 POS SHD D-SUB RI37943 |

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