

49154A Molded Cable Assemblies - DIN Cable Assembly



For more Information
please call

1-800-Belden1



General Description:

8-position shielded DIN, used where a shielded conductor is desired and as a low cost alternative to a D-Sub, PVC insulation, foil shield, straight handle, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------------|-----|-----------|--------------------|------------|
| 8 | 26 | 19x38 | TC - Tinned Copper | .020 |

Total Number of Conductors: 8

Number of Pins: 8

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | 0.014 |

Connector Characteristics

Connector Characteristic (not terminated) Drain .25 +/- .125

Wire Solder Dip:

Connector Characteristics (not Terminated) 1 +/- .125

Jacket Removal Dimension:

Connector Characteristics - First End # of 8

Connector Contacts/positions:

Connector Characteristics - First End Connector Male

Gender:

Connector Characteristics - First End Connector Metal Backshell

Shielding Type:

Connector Characteristics - First End Connector DIN

Type:

Connector Characteristics - First End Overmold Black

Color:

Connector Characteristics - First End Overmold PVC

Compound Material:

Connector Characteristics - First End Overmold 8 Position DIN with Flex Tail

Type:

Connector Characteristics - Second End No Connector

Connector Type:

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 26 | 19x38 | TC - Tinned Copper |

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Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.052 |

Overall Cable

Overall Nominal Diameter: 0.266 in.

Assembly Dimensional

Assembly Dimensional Length: 10

Wiring

Wiring: Shield to Connector Shell

Wiring Diagram Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Brown |
| 2 | Red |
| 3 | Orange |
| 4 | Yellow |
| 5 | Green |
| 6 | Blue |
| 7 | Purple |
| 8 | Gray |

Mechanical Characteristics (Overall)

UL Temperature Rating: 80°C (UL AWM Style 2464)

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|--|---|
| NEC/(UL) Specification: | CM (cable only) |
| AWM Specification: | UL Style 2464 (300 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): | 04/01/2005 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flame Test

UL Flame Test: VW-1 (Cable only)

Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

| Voltage |
|-------------------------------|
| 300 V RMS (UL AWM Style 2464) |

Notes (Overall)

Notes: Foil shielded for moderate-noise environments. Outer jacket stripped one inch.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|-------|-------------|-------|-------|----------------------------|
| 49154A 010S2 | 1 EA | 2.000 LB | BLACK | | 8 POS DIN STRAIGHT RI37897 |

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