

## 49911A Molded Cable Assemblies - D-Subminiature Assembly



9-position shielded D-Sub retractile, for keyboard-to-CRT use where 9-pin retractile is desired, male straight handle one end, polypropylene insulation, polyurethane jacket.

For more Information  
please call

1-800-Belden1



### General Description:

9-position shielded D-Sub retractile, for keyboard-to-CRT use where 9-pin retractile is desired, male straight handle one end, polypropylene insulation, polyurethane jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------------|-----|-----------|--------------------|------------|
| 9            | 26  | 19x38     | TC - Tinned Copper | .021       |

Total Number of Conductors: 9

Number of Pins: 9

#### Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene  | 0.006                |

#### Connector Characteristics

Connector Characteristic (not terminated) Drain Wire Solder Dip: .25 +/- .125

Connector Characteristics (not Terminated) Jacket Removal Dimension: 1 +/- .125

Connector Characteristics - First End # of Connector Contacts/positions: 9

Connector Characteristics - First End Connector Gender: Male

Connector Characteristics - First End Connector Shielding Type: Metal Backshell

Connector Characteristics - First End Connector Type: D-Sub

Connector Characteristics - First End Overmold Color: Black

Connector Characteristics - First End Overmold Compound Material: PVC

Connector Characteristics - First End Overmold Type: 9 Position D-Sub

Connector Characteristics - First End Retention Hardware: Thumbscrew

Connector Characteristics - Second End Connector Type: No Connector

#### 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 |
|-----|-----------|-------------------------------|
| 20  | 42x36     | TC - Tinned Copper            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|-----------------------|---------------------------|
| PUR - Polyurethane    | 0.065                     |

#### Overall Cable

Overall Nominal Diameter: 0.250 in.

#### Assembly Dimensional

Assembly Dimensional For Retractable Coil Body Length (extended): 90

Assembly Dimensional for Retractable Coil Body Length (relaxed): 18 +/- 1

#### Tail Length

1st End Tail Length: 6 +/- 2

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2nd End Tail Length: 18 +/- 1.5

### Wiring

Wiring Diagram Color Code Chart:

| Number | Color  |
|--------|--------|
| 1      | Brown  |
| 2      | Red    |
| 3      | Orange |
| 4      | Yellow |
| 5      | Green  |
| 6      | Blue   |
| 7      | Purple |
| 8      | Gray   |
| 9      | White  |

### Mechanical Characteristics (Overall)

UL Temperature Rating: 60°C (UL AWM Style 20197)

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

AWM Specification: UL Style 20197 (30 V 60°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

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Max. Operating Voltage - UL:

##### Voltage

30 V RMS (UL AWM Style 20197)

### Notes (Overall)

**Notes:** Polyurethane jacket provides superior retractile properties at a reasonable cost. Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI. All connectors tin-plated with detents for positive ground connection.

**Notes (Cont'd.):** The end opposite the conductor is stripped. Jack screw retention on male connector.

### Put Ups and Colors:

| Item #       | Putup | Ship Weight | Color | Notes | Item Desc              |
|--------------|-------|-------------|-------|-------|------------------------|
| 49911A 010S2 | 1 EA  | 14.050 LB   | BLACK |       | RETR ASSY 9POS RI37966 |

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