

## 49950A Molded Cable Assemblies - D-Subminiature Assembly



For more Information  
please call

1-800-Belden1



### General Description:

37-position shielded D-Sub, for RS-449 applications where assembly is exposed to high noise environment, S-R PVC insulation, foil plus braid shield (super shield), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
36	24	7x32	TC - Tinned Copper	.024

Total Number of Conductors: 36

Number of Pins: 37

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.01

#### Connector Characteristics

Connector Characteristics - First End # of  
Connector Contacts/positions: 37

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: 37 Position D-Sub

Connector Characteristics - First End Retention  
Hardware: Thumbscrew

Connector Characteristics - Second End # of  
Connector Contacts/positions: 37

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

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**Connector Characteristics - Second End** 37 Position D-Sub  
**Overmold Type:**

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**Connector Characteristics - Second End** Thumbscrew  
**Retention Hardware:**

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**Outer Shield****Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	65

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.045

**Overall Cable**

**Overall Nominal Diameter:** 0.480 in.

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**Assembly Dimensional**

**Assembly Dimensional Length:** 5

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**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 and Pin #1.

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**Mechanical Characteristics (Overall)**

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

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**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

<b>NEC/(UL) Specification:</b>	CM (cable only)
<b>AWM Specification:</b>	UL Style 2464 (300 V 80°C) (cable only)
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

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**Plenum/Non-Plenum**

**Plenum (Y/N):** No

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**Electrical Characteristics (Overall)****Max. Operating Voltage - UL:**

Voltage
300 V RMS (UL AWM Style 2464)

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**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.

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**Notes (Cont'd.):** Wiring is point-to-point with the shield to connector shell and pin #1. Jack screw retention on both connectors.

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**Put Ups and Colors:**

## 49950A Molded Cable Assemblies - D-Subminiature Assembly

Item #	Putup	Ship Weight	Color	Notes	Item Desc
49950A 060S2	1 EA	1.070 LB	CHROME		37 POS SHD D-SUB CABLE 8348

Revision Number: 1    Revision Date: 09-19-2008

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