

## 49957A 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: Female

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: 37 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	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: 25

### 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.

### 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

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Max. Operating Voltage - UL:

**Voltage**  
300 V RMS (UL AWM Style 2464)

### 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 and pin #1. Jack screw retention on both connectors.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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