

## 49616A Molded Cable Assemblies - D-Subminiature Assembly



For more Information  
please call

1-800-Belden1

**General Description:**

25-position shielded D-Sub, for RS-232 applications, S-R PVC insulation, foil plus Braid shield (super shield), PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
25	24	7x32	TC - Tinned Copper	.024

Total Number of Conductors: 25

Number of Pins: 25

**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: 25

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: 25 Position D-Sub

Connector Characteristics - First End Retention  
Hardware: Thumbscrew

Connector Characteristics - Second End # of  
Connector Contacts/positions: 25

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

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Connector Characteristics - Second End Overmold Type: 25 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	0.04

**Overall Cable**

Overall Nominal Diameter: 0.370 in.

**Assembly Dimensional**

Assembly Dimensional Length: 10

**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 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. All connectors tin-plated and male connectors have detents for a positive shield to ground connection. Wiring is point-to-point with the shield to connector shell.

**Notes (Cont'd.):** Jack screw retention on both connectors.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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## 49616A Molded Cable Assemblies - D-Subminiature Assembly

49616A 060S2	1 EA	1.000 LB	CHROME		25 POS SHD D-SUB 9617
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