

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. (mm)
25	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors: 25

Number of Pins: 25

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.254

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 (mm)
PVC - Polyvinyl Chloride	1.016

Overall Cable

Overall Nominal Diameter: 9.398 mm

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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METRIC MEASUREMENT VERSION

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