
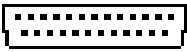



## 49616A Molded Cable Assemblies - D-Subminiature Assembly

  	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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### Description:

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

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Conductors	25
Total Number of Conductors	25
Number of Pins	25
AWG	24
Stranding	7x32
Conductor Diameter	.024 in.
Conductor Material	TC - Tinned Copper

#### INSULATION:

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

#### OUTER SHIELD:

Outer Shield Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

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

Outer Shield % Coverage	100 %
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#### OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	0.04 in.

#### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.370 in.
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#### ASSEMBLY DIMENSIONAL CHARACTERISTICS:

Assembly Dimensional Length	10 ft.
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**49616A Molded Cable Assemblies - D-Subminiature Assembly****CONNECTOR CHARACTERISTICS:****FIRST END :**

Connector Characteristics - First End Connector Type	D-Sub
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 Overmold Type	25 Position D-Sub
Connector Characteristics - First End Overmold Compound Material	PVC
Connector Characteristics - First End Overmold Color	Chrome
Connector Characteristics - First End Retention Hardware	Thumbscrew

**SECOND END :**

Connector Characteristics - Second End Connector Type	D-Sub
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 Overmold Type	25 Position D-Sub
Connector Characteristics - Second End Overmold Compound Material	PVC
Connector Characteristics - Second End Overmold Color	Chrome
Connector Characteristics - Second End Retention Hardware	Thumbscrew
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:**

UL Temperature Rating	80°C (UL AWM Style 2464)
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**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

NEC/(UL) Specification	CM (cable only)
AWM Specification	UL Style 2464 (300 V 80°C) (cable only)

**APPLICABLE STANDARDS:**

EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

**PLENUM/NON-PLENUM:**

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

Plenum (Y/N) N

### ELECTRICAL CHARACTERISTICS:

Max. Operating Voltage - UL 300 V RMS (UL AWM Style 2464)

### NOTES:

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	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
49616A 060S2	25 POS SHD D-SUB 9617	S2	2	CHROME	

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