

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

49745A Molded Cable Assemblies - D-Subminiature Assembly



For more Information
please call

1-800-Belden1



General Description:

15-position shielded D-Sub, for any 15-pin application 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.)
15	24	7x32	TC - Tinned Copper	.024

Total Number of Conductors: 15

Number of Pins: 15

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: 15

Connector Characteristics - First End Connector Gender: Male

Connector Characteristics - First End Connector Shielding Type: Metal Backshell

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: 15 Position D-Sub

Connector Characteristics - First End Retention Hardware: Thumbscrew

Connector Characteristics - Second End # of Connector Contacts/positions: 15

Connector Characteristics - Second End Connector Gender: Female

Connector Characteristics - Second End Connector Shielding Type: Metal Backshell

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: 15 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	0.035

Overall Cable

Overall Nominal Diameter: 0.300 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.
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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

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
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Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2464)

Notes (Overall)

Notes: Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI. All connectors tin-plated and male connectors have detents for positive 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
49745A 060S2	1 EA	4.150 LB	CHROME		15 POS SHD D-SUB 9616

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