

49765A Molded Cable Assemblies - D-Subminiature Assembly



For more Information
please call

1-800-Belden1



General Description:

50-position shielded D-Sub, for high-density applications where assembly is exposed to high noise environment, polyethylene insulation, foil plus braid shield, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
50	26	7x34	TC - Tinned Copper	.019

Total Number of Conductors: 50

Number of Pins: 50

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PE - Polyethylene	0.01

Connector Characteristics

Connector Characteristics - First End # of
Connector Contacts/positions: 50

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: 50 Position D-Sub

Connector Characteristics - First End Retention
Hardware: Thumbscrew

Connector Characteristics - Second End # of
Connector Contacts/positions: 50

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:	50 Position D-Sub
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Connector Characteristics - Second End Retention Hardware:	Thumbscrew
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Outer Shield**Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	90

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.049

Overall Cable

Overall Nominal Diameter:	0.535 in.
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Assembly Dimensional

Assembly Dimensional Length:	5
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Wiring

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 2919)
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Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CM (cable only)
AWM Specification:	UL Style 2919 (30 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
30 V RMS (UL AWM Style 2919)

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. Jack screw retention on both connectors.
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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
49765A 060S2	1 EA	0.520 LB	CHROME		50 POS SHD D-SUB RI37943

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