



49766A Molded Cable Assemblies - D-Subminiature Assembly

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

CONDUCTOR:

Number of Conductors	50
Total Number of Conductors	50
Number of Pins	50
AWG	26
Stranding	7x34
Conductor Diameter	.019 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PE - Polyethylene
Nom. Insulation Wall Thickness	0.01 in.

OUTER SHIELD:

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

Outer Shield Material :

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

Outer Shield % Coverage	100 %
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OUTER SHIELD DRAIN WIRE :

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

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	0.049 in.

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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.535 in.
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ASSEMBLY DIMENSIONAL CHARACTERISTICS:

Assembly Dimensional Length	10 ft.
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CONNECTOR CHARACTERISTICS:

FIRST END :	
Connector Characteristics - First End Connector Type	D-Sub
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 Overmold Type	50 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	50
Connector Characteristics - Second End Connector Gender	Female
Connector Characteristics - Second End Connector Shielding Type	Metal Backshells
Connector Characteristics - Second End Overmold Type	50 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	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 2919)
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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

NEC/(UL) Specification	CM (cable only)
AWM Specification	UL Style 2919 (30 V 80°C) (cable only)

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APPLICABLE STANDARDS:

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

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919)
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NOTES:

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.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
49766A 060S2	50 POS SHD D-SUB RI37943	S2	1.04	CHROME	

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