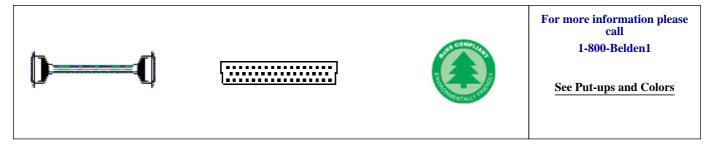


# 49760A Molded Cable Assemblies - D-Subminiature Assembly



#### **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 :					
		T	Material	% Coverage (%)	
Layer Number	Trade Name	Туре	Material	70 Coverage (70)	
Layer Number	Trade Name Duofoil®	Таре	Aluminum Foil-Polyester Tape-Aluminum Foil	100	
Layer Number 1 2			Aluminum Foil-Polyester		
1		Таре	Aluminum Foil-Polyester Tape-Aluminum Foil	100	
1 2	Duofoil®	Tape Braid	Aluminum Foil-Polyester Tape-Aluminum Foil	100	
1       2       Outer Shield %Coverage	Duofoil® WIRE :	Tape Braid	Aluminum Foil-Polyester Tape-Aluminum Foil	100	
1       2       Outer Shield %Coverage       OUTER SHIELD DRAIN	Duofoil® WIRE : WG	Tape     Braid     100 %	Aluminum Foil-Polyester Tape-Aluminum Foil	100	
1         2         Outer Shield %Coverage         OUTER SHIELD DRAIN         Outer Shield Drain Wire AW	Duofoil® WIRE : WG randing	Tape     Braid     100 %     22	Aluminum Foil-Polyester Tape-Aluminum Foil	100	
1         2         Outer Shield %Coverage         OUTER SHIELD DRAIN         Outer Shield Drain Wire AV         Outer Shield Drain Wire Stu	Duofoil® WIRE : WG randing	Tape         Braid         100 %         22         7x30	Aluminum Foil-Polyester Tape-Aluminum Foil	100	
1         2         Outer Shield %Coverage         OUTER SHIELD DRAIN         Outer Shield Drain Wire AV         Outer Shield Drain Wire Str         Outer Shield Drain Wire Co	Duofoil® WIRE : WG randing	Tape         Braid         100 %         22         7x30	Aluminum Foil-Polyester Tape-Aluminum Foil	100	
1         2         Outer Shield %Coverage         OUTER SHIELD DRAIN         Outer Shield Drain Wire AV         Outer Shield Drain Wire Str         Outer Shield Drain Wire Co         OUTER JACKET:	Duofoil® WIRE : WG randing onductor Material	TapeBraid100 %227x30TC - Tinned Copper	Aluminum Foil-Polyester Tape-Aluminum Foil	100	



# 49760A Molded Cable Assemblies - D-Subminiature Assembly

## **OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.535 in.				
ASSEMBLY DIMENSIONAL CHARACTERISTICS:					
Assembly Dimensional Length	5 ft.				
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	Male				
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)				
APPLICABLE SPECIFICATIONS AND AGENCY	COMPLIANCE:				

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



# 49760A Molded Cable Assemblies - D-Subminiature Assembly

### **APPLICABLE STANDARDS:**

EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	05/01/2006
PLENUM/NON-PLENUM:	
Plenum (Y/N)	Ν
ELECTRICAL CHARACTERISTICS:	
Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919)
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
	50 POS SHD D-SUB RI37943	S2	1.04	CHROME	

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