Micro-D Metal Shell MWDM Back-To-Back Unshielded Cable Assemblies

Save Time and Money With Back-To-Back Cables– These Micro-D connectors feature crimp wire terminations and epoxy encapsulation. The installed cost is lower than terminating solder cup connectors.

100% Certified– all back-to-back assemblies are 100% checked for continuity, resistance, voltage and insulation resistance.

Hardware Note– if jackposts are required on one end and jackscrews on the other, use hardware designator "B" (no hardware installed), and order hardware kits separately.

HOW TO ORDER BACK-TO-BACK UNSHIELDED CABLES

Series	Shell Material and Finish	Insulator Material	Contact Layout	Connect or Type	Wire Gage (AWG)	Wire Type	Wire Color	Total Length Inches	Hardware
MWDM	**Aluminum Shell** 1 – Cadmium 2 – Nickel 4 – Black Anodize 5 – Gold 6 – Chem Film **Stainless Steel Shell** 3 – Passivated	L – LCP 30% Glass-Filled Liquid Crystal Polymer	9 15 21 25 31 37 51 51-2 67 69 100	GP – Pin (Plug) Connector Both Ends GS – Socket (Receptacle) Connector Both Ends CS – Pin Connector to Socket Connector	4 – #24 6 – #26 8 – #28 0 – #30	K – M22759/11 600 Vrms Teflon (TFE) J – M22759/33 600 Vrms Modified Cross-Linked Tefzel® (ETFE) E – NEMA HP3-EB 600 VrmsType E M16878/4 (TFE) (replaced by M22759/11 for mil spec applications)	1 – White 2 – Yellow 7 – Ten Color Repeating 5 – Color-Coded Stripes Per MIL-STD-681 (Striped wire not available on 67, 69 or 100 pin connectors or for #28, #30 AWG) 7 – Ten Color Repeating	18 Total Length In Inches. "18" Specifies 18 Inches (2" Min. for 2 row, 3" Min. for 3 row, 4" Min. for 4 row)	B P M M1 S S1 L K
Sample Part Number									
MWDM	1	L –	25	GP –	6	K	7 –	18	B

MICRO-D MOUNTING HARDWARE

B	P	M	M1	S	S1	L	K
Thru-Hole Order Hardware Separately	**Jackpost** Removable Includes Nut and Washer	**Jackscrew** Hex Head Removable E-ring	**Jackscrew** Hex Head Removable E-ring Extended	**Jackscrew** Slot Head Removable E-ring	**Jackscrew** Slot Head Removable E-ring Extended	**Jackscrew** Hex Head Non- Removable	**Jackscrew** Slot Head Non-Removable Extended

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Micro-D Metal Shell
MWDM Back-To-Back
Unshielded Cable Assemblies

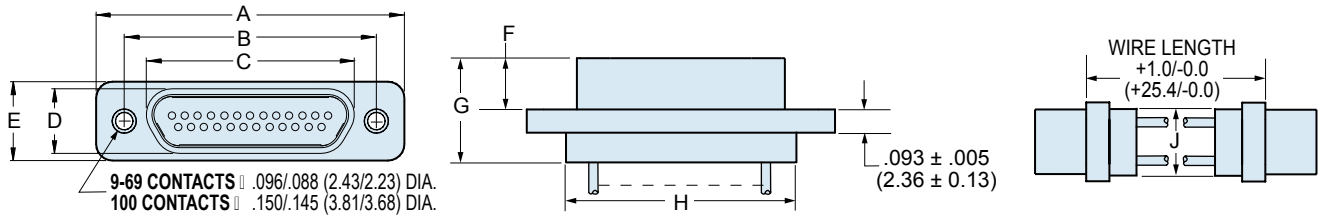
Glenair®

PERFORMANCE SPECIFICATIONS

Current Rating	3 AMP
DWV	600 VAC Sea level
Insulation Resistance	5000 Megohms Minimum
Contact Resistance	8 Milliohms Maximum
Low Level Contact Resist.	32 Milliohms Maximum
Magnetic Permeability	2 µ Maximum
Operating Temperature	-55° C. to +150° C.
Shock, Vibration	50 g., 20g.
Mating Force	(10 Ounces) X (# of Contacts)

MATERIALS AND FINISHES

Connector Shell	Aluminum Alloy 6061 or Stainless Steel, 300 Series, passivated. See Ordering Info for Plating Options
Insulator	Liquid Crystal Polymer (LCP)
Interfacial Seal	Fluorosilicone Rubber, Blue
Pin Contact	Beryllium Copper Gold over Nickel Plating
Socket Contact	Copper Alloy Gold Over Nickel Plating
Hardware	300 Series Stainless Steel
Encapsulant	Epoxy Resin Hysol EE4215



DIMENSIONS

Layout	A Max. In.	A Max. mm.	B In. ± .003	B mm. ± 0.08	C Max. In.	C Max. mm.	D Max. In.	D Max. mm.	E Max. In.	E Max. mm.	F In. ± .003	F mm. ± 0.08	G Max. In.	G Max. mm.	H Max. In.	H Max. mm.	J Max. In.	J Max. mm.
9P	.785	19.94	.565	14.35	.333	8.46	.184	4.67	.308	7.82	.183	4.65	.416	10.57	.400	10.16	.270	6.86
9S	.785	19.94	.565	14.35	.400	10.16	.250	6.35	.308	7.82	.195	4.95	.429	10.90	.400	10.16	.270	6.86
15P	.935	23.75	.715	18.16	.483	12.27	.184	4.67	.308	7.82	.183	4.65	.416	10.57	.550	13.97	.270	6.86
15S	.935	23.75	.715	18.16	.551	14.00	.250	6.35	.308	7.82	.195	4.95	.429	10.90	.550	13.97	.270	6.86
21P	1.085	27.56	.865	21.97	.633	16.08	.184	4.67	.308	7.82	.183	4.65	.416	10.57	.700	17.78	.270	6.86
21S	1.085	27.56	.865	21.97	.701	17.81	.250	6.35	.308	7.82	.195	4.95	.429	10.90	.700	17.78	.270	6.86
25P	1.185	30.01	.965	24.51	.733	18.62	.184	4.67	.308	7.82	.183	4.65	.416	10.57	.800	20.32	.270	6.86
25S	1.185	30.01	.965	24.51	.801	20.35	.250	6.35	.308	7.82	.195	4.95	.429	10.90	.800	20.32	.270	6.86
31P	1.335	33.91	1.115	28.32	.883	22.43	.184	4.67	.308	7.82	.183	4.65	.416	10.57	.950	24.13	.270	6.86
31S	1.335	33.91	1.115	28.32	.951	24.16	.250	6.35	.308	7.82	.195	4.95	.429	10.90	.950	24.13	.270	6.86
37P	1.485	37.72	1.265	32.13	1.033	26.24	.184	4.67	.308	7.82	.183	4.65	.416	10.57	1.100	27.94	.270	6.86
37S	1.485	37.72	1.265	32.13	1.101	27.96	.250	6.35	.308	7.82	.195	4.95	.429	10.90	1.100	27.94	.270	6.86
51P	1.435	36.45	1.215	30.86	.983	24.97	.228	5.79	.351	8.92	.183	4.65	.416	10.57	1.050	26.67	.310	7.87
51S	1.435	36.45	1.215	30.86	1.051	26.70	.296	7.52	.351	8.92	.195	4.95	.429	10.90	1.050	26.67	.310	7.87
51-2P	1.835	46.61	1.615	41.02	1.384	35.15	.184	4.67	.310	7.87	.183	4.65	.416	10.57	1.450	36.83	.270	6.86
51-2S	1.835	46.61	1.615	41.02	1.450	36.83	.250	6.35	.310	7.87	.195	4.95	.429	10.90	1.450	36.83	.270	6.86
67P	2.235	56.77	2.015	51.18	1.784	45.31	.184	4.67	.310	7.87	.183	4.65	.416	10.57	1.850	36.83	.270	6.86
67S	2.235	56.77	2.015	51.18	1.850	46.99	.250	6.35	.310	7.87	.195	4.95	.429	10.90	1.850	36.83	.270	6.86
69P	1.735	44.07	1.515	38.48	1.284	32.61	.228	5.79	.351	8.92	.183	4.65	.416	10.57	1.350	34.29	.310	7.87
69S	1.735	44.07	1.515	38.48	1.350	34.29	.296	7.52	.351	8.92	.195	4.95	.429	10.90	1.350	34.29	.310	7.87
100P	2.170	55.12	1.800	45.72	1.383	35.13	.270	6.86	.394	10.01	.183	4.65	.416	10.57	1.442	36.63	.360	9.14
100S	2.170	55.12	1.800	45.72	1.451	36.86	.333	8.46	.394	10.01	.195	4.95	.429	10.90	1.442	36.63	.360	9.14

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