

M8 IP67 connectors and cable assemblies



PRODUCT SPECIFICATIONS

MATERIALS

Contact carrier	Mineral filled PA
Coupling nut	Nickel plated brass or stainless steel
Panel mount housing	Nickel plated brass or stainless steel
Jam nut	Nickel plated brass or stainless steel
Mounting gasket / o-ring	Buna
Contacts	CU alloy, gold over nickel plating
Connector interface sealing o-ring	Silicone
Overmold	Overmold material will vary depending on cable selection (PVC, TPU, or other)
Cable type	TPU black 80 degrees C, 300V, 22-24 AWG, 22/7, 24/7, PVC
UL info	UL20233

PRODUCT SPECIFICATIONS

DIMENSIONS

Receptacle mounting	M8 thread
Basic plug max OD	.39" diameter over coupling nut
In-line receptacle max OD	.39" diameter over coupling nut
Overmold length with strain relief	1.07"
Max cable diameter	.2" diameter
Contact sizes available (max #)	#23 (6), #20 (4)









PERFORMANCE

Ingress protection	IP67
Voltage rating (RMS)	Up to 300V
Amperage rating	Up to 7.5A
Max. continuous temperature	Overmold material and wire / cable selection will influence the overall max temperature rating of the assembly (80-105 degrees C)

OPTIONS

High-tech polymer and machined brass or stainless steel components	Variety of overmold resins available
Closed entry female contact design	PC tail contacts available for panel mount receptacles
Threaded construction	Panel mount receptacle/inline receptacle/overmolded plug available

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	M8 SINGLE ENDED PIGTAIL	CABLE LENGTH	PART NUMBER
	8 MM THREADED FEMALE STRAIGHT TO PIGTAIL		
	Non shielded, 22 AWG, x=pole size (2 - 4)	1 m	144M12200100x
	Non shielded, 22 AWG, x=pole size (2 - 4)	5 m	144M12200500x
	Non shielded, 24 AWG, 6 pole	1 m	144M222001006
	Non shielded, 24 AWG, 6 pole	5 m	144M222005006
	8 MM THREADED MALE STRAIGHT TO PIGTAIL		
	Non shielded, 22 AWG, x=pole size (2 - 4)	1 m	144M12100100x
	Non shielded, 22 AWG, x=pole size (2 - 4)	5 m	144M12100500x
	Non shielded, 24 AWG, 6 pole	1 m	144M221001006
	Non shielded, 24 AWG, 6 pole	5 m	144M221005006
	8 MM THREADED FEMALE RT ANGLE TO PIGTAIL		
	Non shielded, 22 AWG, x=pole size (2 - 4)	1 m	144M12D00100x
	Non shielded, 22 AWG, x=pole size (2 - 4)	5 m	144M12D00500x
	Non shielded, 24 AWG, 6 pole	1 m	144M22D001006
	Non shielded, 24 AWG, 6 pole	5 m	144M22D005006
	8 MM THREADED MALE RT ANGLE TO PIGTAIL		
	Non shielded, 22 AWG, x=pole size (2 - 4)	1 m	144M12900100x
	Non shielded, 22 AWG, x=pole size (2 - 4)	5 m	144M12900500x
	Non shielded, 24 AWG, 6 pole	1 m	144M229001006
	Non shielded, 24 AWG, 6 pole	5 m	144M229005006
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	M8 - M8 CABLE	CABLE LENGTH	PART NUMBER
	8 MM THREADED MALE TO FEMALE STRAIGHT		
	Non shielded, 22 AWG, x=pole size (2 - 4)	1 m	144M12120100x
	Non shielded, 22 AWG, x=pole size (2 - 4)	5 m	144M12120500x
	Non shielded, 24 AWG, 6 pole	1 m	144M221201006
	Non shielded, 24 AWG, 6 pole	5 m	144M221205006
	8 MM THREADED MALE TO FEMALE RT ANGLE		
	Non shielded, 22 AWG, x=pole size (2 - 4)	1 m	144M129D0100x
	Non shielded, 22 AWG, x=pole size (2 - 4)	5 m	144M129D0500x
	Non shielded, 24 AWG, 6 pole	1 m	144M229D01006
	Non shielded, 24 AWG, 6 pole	5 m	144M229D05006
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	M8 PANEL JACK	LITZ WIRE LENGTH	PART NUMBER
	8 MM REAR PANEL MOUNT W/NUT & GASKET		
	Female, 22 AWG, x=pole size (2 - 4)	6 in	144M30700610x
	Male, 22 AWG, x=pole size (2 - 4)	6 in	144M30E00610x
	Female, 24 AWG, 6 pole	6 in	144M407006106
	Male, 24 AWG, 6 pole	6 in	144M40E006106
	8 MM FRONT PANEL MOUNT W/NUT & GASKET		
	Female, 22 AWG, x=pole size (2 - 4)	6 in	144M30F00610x
	Male, 22 AWG, x=pole size (2 - 4)	6 in	144M30G00610x
	Female, 24 AWG, 6 pole	6 in	144M40F006106
	Male, 24 AWG, 6 pole	6 in	144M40G006106