

CIRCULAR PLASTIC CONNECTORS

Circular Plastic Connectors (CPC) deliver rugged, cost-effective power and signal solutions for harsh environments. Lightweight and available in either plastic or metal shells, they offer quick connect/disconnect capability, threaded locking, and polarized mating. Designed for reliability and field service, they feature removable contacts, a replaceable coupling ring, and heat-resistant, self-extinguishing thermoplastic construction.

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SCAN TO KNOW MORE

Product Name	SERIES 1 Signal - Size 16 Contacts (Standard density)	SERIES 2 Signal - Size 20 Contacts (High density)	SERIES 3 Power Contacts	SERIES 4 Hybrid Signal Size 16 & Power Contacts	SERIES 5 Power Contacts .125 Powerband	SERIES 6 Hybrid Signal Size 16 & Powerband Contacts	MIL-C-5015 Size 16 Contacts	METAL-SHELL Series 1,2,3 & 4	MINI CPC
Configuration									
Voltage Rating	600V AC/DC	250V AC/DC	600V AC/DC	600V AC/DC	250V AC	600V AC/DC	600V AC/DC		250V AC/DC
Current Rating	Signals up to 25A	Signals up to 7.5A	Power up to 47A	Signals up to 25A Power up to 47A	Power up to 50A	Signals up to 25A Power up to 50A			Signals up to 7.5A
Number of Positions	4 - 37 pos	8 - 63 pos	3 & 7 pos	13, 16 & 22 pos	3 pos	10 & 16 pos	10 & 14 pos	14, 22 & 28 pos	1 - 9 pos
Shell Size	11, 13, 17 & 23	11, 17 & 23	17 & 23	23 & 28	17	17 & 23	18 & 20	14, 22 & 28	8 & 11
Contact System	Type II, High Current Power, Type III+, Type III+ Enhanced High Current Contacts, sub miniature COAXICON Crimp Contacts	Size 20 DM (Screw machined) or 20 DF (Precision formed) Crimp, Snap-In Contacts	Type XII Precision Formed, Type XII High Current Contacts	Type II, High Current Power, Type III+, Type III+ Enhanced High Current, Type XII Precision Formed, Type XII High Current Contacts and sub miniature COAXICON Crimp Contacts	.125 POWERBAND Contacts	Type II, High Current Power, Type III+, Type III+ Enhanced High Current and .125 POWERBAND Contacts	Type II, High Current Power, Type III+, Type III+ Enhanced High Current Contacts	Series 1- Type II, Type III+ Contacts Series 2- 20 DF and 20 DM Contacts Series 3- Type XII Contacts Series 4- Type II, Type III+ and Type XII Contacts	Mini-Universal MATE-N-LOK Crimp, Snap-in Contacts
Wire Range	14-30 AWG	20-28 AWG	10-16 AWG	14-30 AWG (Size 16) 10-16 AWG (Type XII)	8-14 AWG	14-30 AWG (Size 16) 8-14 AWG (POWERBAND)	14-24 AWG		18-30 AWG
IP Seal Level	IP67				IP65 or IP67	IP65 or IP67			IP67
	Sealed UV - Resistant version available				Sealed UV - Resistant version available	Sealed UV - Resistant version available		"Tetraseal" ring provides splash-proof sealing between connector metal shells	