

Material & Surface Treatments — Quick-Clean™ Circular Connectors

	Material	Standard		Surface	Standard	Flammability
		EU	US			
Housing (conductive parts)	Aluminum AlMgSiSn1Bi	EN-AW 6023		Ruthenium over electroless nickel		
Nut	Aluminum AlMgSiSn1Bi	EN-AW 6023		Black anodized		
Backshell	Aluminum AlMgSiSn1Bi	EN-AW 6023		Electroless nickel	SAE-AMS2404	
EMI-locking ring	Stainless steel	CW102C (2.1248)		Electrodeposited gold		
Crimp sleeve	CuZn38Pb1.5	CW608N (2.0371)	C35300	Electrodeposited nickel		
Color ring	PSU					UL94 (V0)
Insulator	PEEK/PBT/PCT					UL94 (V0)
Pin contact (pogo-pin)	Copper alloy, CuBe, steel			1.25 µm gold over electrodeposited nickel (on piston)	MIL-G-45204D	
Socket contact	Copper alloy	CW614N (2.0401)	C38500	1.25 µm gold over electrodeposited nickel	MIL-G-45204D	
O-rings	FVMQ (fluorosilicone)					
Potting	Potting compound					UL94 (V0)
Over-molding material	TPU					UL94 (HB)
Shrink boots	Polyester-elastomer					Acc. to VG95343

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