

Material & Surface Treatments — Standard Circular Connectors

	Material	Standard		Surface	Standard	Flammability
		EU	US			
Housing (conductive parts)	Aluminum AlMgSiSn1Bi	EN-AW 6023		Ruthenium over electroless nickel		
Housing/nut (non conductive parts)	Aluminum AlMgSiSn1Bi	EN-AW 6023		Black anodized		
Backshell (Push/Pull plug)	Aluminum AlMgSiSn1Bi	EN-AW 6023		Ruthenium over electroless nickel		
Backshell (Quick-DeMate™ plug and in-line receptacle)	Aluminum AlMgSiSn1Bi	EN-AW 6023		Electroless nickel	SAE-AMS2404	
EMI-locking ring	CuBe2	CW102C (2.1248)		Electrodeposited nickel		
Crimp sleeve	CuZn38Pb1.5	CW608N (2.0371)	C35300	Electrodeposited nickel		
Color ring	PSU					UL94 (V0)
Insulator	PEEK					UL94 (V0)
Pin contact	Copper alloy	CW614N (2.0401)	C38500	1.25µm gold over electrodeposited nickel	MIL-G-45204D	
Socket contact	Copper alloy	CW614N (2.0401)	C38500	1.25µm 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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