

Technical Characteristics

Materials and Finish

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Connector Plug/Receptacle Shells	Composite – (base material: PEEK 30% carbon filled) Finish: Gold over nickel
Inner Shell (Quad module)	Aluminum alloy Finish: Gold over nickel
Saver Shells	Aluminum alloy Finish: Gold over nickel
Contacts	Copper alloy Finish: Gold over nickel
Insulators/Dielectric	PEEK
Guide Hardware	Stainless steel and titanium alloy
Fasteners	Stainless steel

Specification

Parameter	Level
Working Voltage	50 V RMS
Current	1 A
Data Transmission Rate	Up to 50 Gbps per bay
Impedance	100 Ω \pm 10%
Contact Resistance	150 m Ω
Insulation Resistance (minimum)	1 G Ω
Operating Temperature Range	-40 °C to 125 °C
Durability (mate/unmate with Saver fitted)	500 cycles