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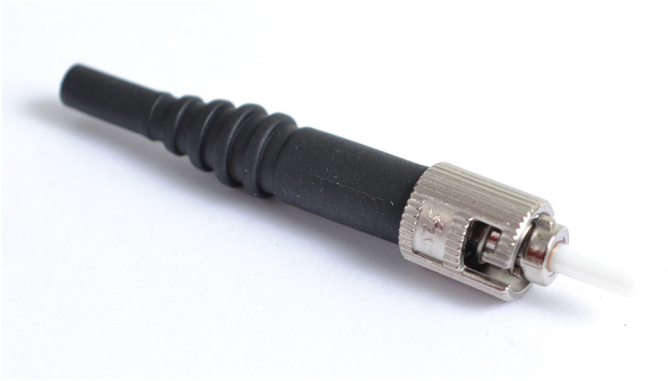
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FIS ST CONNECTOR



FEATURES

- One-piece body design to simplify termination
- Zirconia Ceramic and Stainless Alloy ferrules
- Singlemode and Multimode available (Ceramic Features)
- Stainless alloy ferrules available for a range of fiber sizes from 125um to 1550um
- Thermoplastic/fire retardant strain relief boots, available in 3.0mm, 2.0mm and 900um versions
- Back shell cable acceptance of 900um to 3mm diameter

The FIS ST Style Connector is designed specifically for the installer that demands fast and easy assembly and top optical performance at a low cost. Available for both singlemode and multimode applications, the high precision pre-radius Zirconia ceramic ferrule polishes quickly and is extremely durable. Also available, is the high performing stainless alloy multimode version. The connector's rear design crimps directly on the cable and Kevlar, eliminating cable pull-away from the connector. The one piece design accommodates 900um through 3.0mm cable diameters.

SPECIFICATIONS

Materials

Body/Hardware	Nickel Plate Zinc
Coupling Mechanism	Die-Cast Zinc, Nickel Plated
Ferrule	Zirconia Ceramic or Stainless Alloy
Strain Relief Boot	Thermoplastic Elastomer
Ferrule: Hole Diameter	
Singlemode	126um + 1/-0 (standard)
Multimode	127um + 10/-2
	140um + 10/-0
	230um + 10/-0
	1000um +30/-10
Ferrule Diameter	2.5mm + 0/0.003
Back Shell Cable Acceptance	
Max Diameter	3.0mm Cable
Min. Diameter	0.9mm Buffered Fiber
Tensile Strength (Crimped to 3mm Cable)	20Lbs. Before Pull Out

Environmental

Temperature Cycling	-40° to +80° C, 40 Cycles
	≤0.3dB Change
High Temperature	80° C for 96 Hrs.
	≤0.3dB Change
Humidity	60° C at 95% RH, 96 Hrs.
	=0.3dB Change
Vibration (Mated Pair)	10-55 Hz, 1.5mm P to P
	=0.3dB Change
Mating Durability	200 Total, Clean every 25
	=0.3dB Change

Intermatability

Protocol	TIA 604-2 (FOCUS-2)

OPTICAL PERFORMANCE

Ferrule Type	Fiber Hole Diameter (microns)	Attenuation Typical	Operating Max Temperature (C)
Zirconia (SM)	126um	≤0.2dB	0.5dB -40 to +85
Zirconia (MM)	127um	≤0.3dB	0.6dB -40 to +85
	140um	≤0.4dB	0.6dB -40 to +85
Stainless Alloy(MM)	127um	≤0.5dB	1.0dB -40 to +85
	140um	≤0.5dB	1.0dB -40 to +85
	230um	≤0.75dB	1.5dB -40 to +85
	1000um	≤1.0dB	NA -40 to +85

ORDERING INFORMATION

Part Number	Fiber Size	Type (3mm Boots)
F1-0069	126µm	Singlemode
F1-0066	127µm	Multimode
F1-0061	127µm	Multimode
F1-0063 (stainless)	140um	Multimode
F1-0067 (ceramic)	140µm	Multimode
F1-0064	230µm	Multimode
F1-0065	1000µm	Multimode
		Type (2mm Boots)
F1-006620	127µm	Multimode

* For 900µm boots add - 900 to part #

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