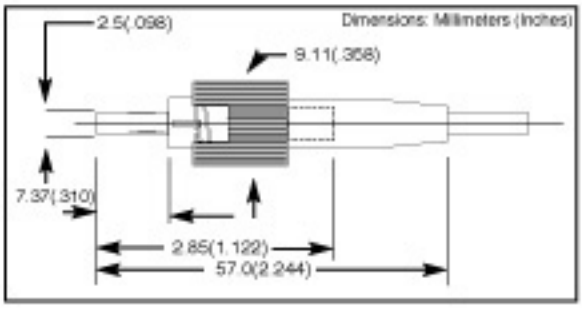
FIS ST CONNECTORS

The FIS ST Style Connector is designed specifically for the installer that demands fast and easy assembly, 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.

Part #	Fiber Size	Type (3mm Boots)
FI-0066	125um	Multimode
FI-0069	126um	Singlemode
FI-0067	140um	Multimode

*For 900um boots add -900 to part #



FEATURES

- *One-piece body design to simplify termination*
- *Zirconia Ceramic and Stainless Alloy ferrules*
- *Singlemode and Multimode available (Ceramic Features)*
- *Stainless steel ferrules available for a range of fiber sizes from 125um to 1050um*
- *Thermoplastic/fire retardant strain relief boots, available in 3.0mm and 900um versions*
- *Back shell cable acceptance of 900um to 3mm diameter*

SPECIFICATIONS

MATERIALS :

Part :

Body/Hardware	Nickel Plated Zinc
Coupling Mechanism	Die-Cast Zinc, Nickel Plated
Ferrule	Zirconia Ceramic
Strain Relief Boot	Thermoplastic Elastomer

MATERIALS :

Ferrule : Hole Diameter :

Singlemode:	126um + 1/-0 (standard)
	125um + 1/-0 (optional, for tighter fit)
	127um + 1/-0 (optional, for looser fit)
Multimode:	128um +2/-1
Ferrule Diameter:	2.5um +0/-0.003
Back Shell: Cable Acceptance	
Max. Diameter	3.0 Tight Buffer Cable
Min. Diameter	0.9 Buffered Fiber
Tensile Strength	20 lbs. Before Pull Out (using 3.0mm Tight Buffer Cable)

ENVIRONMENTAL :

Test:

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	

INTERMATATBILITY :

Protocol:	TIA 604-2 (FOCUS-2)

OPTICAL PERFORMANCE

Ferrule Type	Fiber Hole Dia. (microns)	Attenuation (dB) Typical		Operating Max. Temp (C)
ZIRCONIA (SM)	126um	<0.2dB	0.5dB	-40 to +85
ZIRCONIA (MM)	128um	<0.3dB	0.6dB	-40 to +85
METAL (MM)	128um	<0.5dB	1.0dB	-40 to +85

Return loss for Zirconia (SM) connectors is ≤-35dB typical under standard polish procedure.

YOUR KEY SUPPLIER 1 800 5000 FIS 1 800 5000 347

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