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TECHNOLOGY GROUP

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FIS FC/PC CONNECTOR



FEATURES

- Zirconia Ceramic Pre-Radius or Stainless Alloy Ferrule
- Non-Optical Disconnect Connector
- Strain relief boots available in 3.0mm and 900um
- Meets FOTP, EIA/TIA, & JIS Industry Standards

The FIS FC Connector is designed specifically for the installer that demands fast, easy assembly, and top optical performance. This nonoptical disconnect connector is available in multimode and singlemode versions. The high precision, preradius zirconia ceramic ferrule polishes quickly. The FIS FC is a superior quality connector at a low cost.

SPECIFICATIONS

Perfomance

SM Zirconia	Typ. .2dB Max .5dB
MM Zirconia	Typ. .4dB Max .6dB
MM Stainless	Typ. .5dB Max .6dB

Industry Standards Testing

Insertion Loss	FOTP 20 TIA/EIA 455-A
Mating Durability	500 Cycles for JIS 5961 6.3 FOTP 21 TIA/EIA 455-21B
Humidity	40°C @ 90%RH JIS C 5961 7.1, 7.2, 7.4, 7.5 FOTP-5 TIA/EIA 455-5B Method A
Vibration	10-55 Hz, 1mm p-p JIS C 5961 6.1

Mechanical

Singlemode	126um +1/-0 (standard)
MM Ceramic	140um +6/-0
Stainless Alloy	127um +10/-2 230um +10/-0 (optional)
Ferrule Diameter	2.5mm +0/-0.003 MM ST +0/-0.001 MM Ceramic +0/-0.005 SM Ceramic
Operating Temperature	-40°C to +80°C

Cable Acceptance 3mm Tight Buffer

OREDERING INFORMATION

PART #	FIBER SIZE	FERRULE	TYPICAL LOSS	TYPE
F12070	126µm	Zirconia	.1 dB	Singlemode
F12073	125µm	Zirconia	.2 dB	Multimode
F12771	125µm	Stainless Alloy	.2 dB	Multimode
F12772	140µm	Stainless Alloy	.3 dB	Multimode
F12777	140µm	Zirconia	.3 dB	Multimode
F12774	230µm	Stainless Alloy	.5dB	Multimode

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