



FEATURES

- Zirconia Pre-Angled, Pre-Radiused Ferrule
- Non-optical disconnect connector
- Duplex Ready
- Compatible with NTT-SC hardware
- Meets JIS Industry specifications

Part Number	Typical Loss	Type
F1-3069APC	.15dB	Singlemode

The FIS SC/APC non-optical disconnect connector is designed for top optical performance and greatly reduces termination time. The connector features a pre-radiused zirconia ferrule, pre-assembled body and precision molded plastic body. The FIS SC connector achieves low optical loss with high performance physical contact and maximum repeatability.

SPECIFICATIONS

Materials

Outer Housing	Molded Polymer
Inner Housing	Molded Polymer
Back Body	Machined Brass (nickel plated zinc)
Ferrule	Pre-radiused Zirconia
Strain Relief Boot	Thermoplastic Elastomer

Mechanical

Ferrule Singlemode	126um +1/-0 (standard) 125um +1/-0 (optional) 127um +1/-0 (optional)
Ferrule Outside Diameter	2.5mm +0/-0.001
Ferrule Angle	8.0 +/-0.5

Industry Standards

Insertion Loss	FOTP 20 TIA/EIA 455-A
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Mating Durability

500 Cycles for JIS 5961 6.3 FOTP 21 TIA/EIA 455-21B

Vibration

10-55 Hz, 1 mm 9-9 JIS C 5961 6.1

Performance

Insertion Loss	Typical <0.15dB Max. <0.5dB
SM Zirconia	
Optical return loss	<-60dB (hand polish) <-65dB (machine polish)

Back Shell

Cable Acceptance	3.0mm Tight Buffer cable 900um Tight buffer cable
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Humidity

40C @90% RH JIS C 5971 7.1, 7.2, 7.4, 7.5 FOTP-5 TIA/EIA 455-5B Method A
