DATASHEET

SCHNELL SINGLE MODE DUPLEX FIBRE OPTIC ADAPTOR

Schnell Single Mode Duplex Fiber Optic Adaptors are designed for precise fiber alignment and low insertion loss in high-performance telecom and data networks. Compatible with LC and SC connectors, they support OS1/OS2 fiber types and ensure reliable long-term coupling. Designed for ease of installation in patch panels, faceplates, and enclosures.

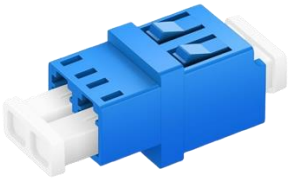
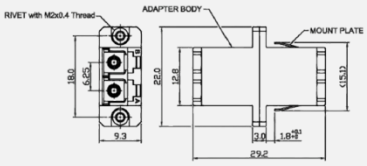


DIAGRAM & CONSTRUCTION

Connector	: SC/PC Duplex, LC/PC		Color	: Blue (standard for single mode)
Type	Duplex		Mounting Type	: Snap-in, flange or no-flange
Sleeve Type	: Zirconia Ceramic			
Body Material	: High-strength Thermoplastic Resin		Durability	: > 1000 Mating Cycles

OPTICAL CHARACTERISTICS

Insertion Loss	: ≤ 0.20 dB (Typical), ≤ 0.30 dB (Max)
Return Loss	: ≥ 50 dB (UPC polish)
Repeatability	: ≤ 0.20 dB
Interchangeability	: ≤ 0.20 dB
Durability	: ≥ 1000 Mating Cycles

PHYSICAL CHARACTERISTICS

Operating Temperature	: -40°C to +75°C
Storage Temperature	: -40°C to +85°C
Compliance	: RoHS & REACH Compliant

KEY FEATURES

- Zirconia ceramic alignment sleeve for high precision
- Snap-in mounting for easy installation
- Compatible with SC/LC connectors (PC/UPC polish)
- Low insertion and high return loss

KEY APPLICATIONS

- Telecom central offices
- Data centers and LAN environments
- FTTH/FTTx network infrastructure
- Patch panels, wall-mount boxes, and ODFs

REACTION TO FIRE

UL 94V-0	: Flame retardant housing material
IEC 61300-2-1	: Temperature Cycling
IEC 61300-2-22	: Resistance to stress conditions

STANDARDS

- IEC 61754-4 (SC) / IEC 61754-20 (LC)
- TIA/EIA-604 (FOCIS)
- ISO/IEC 11801
- RoHS & REACH Compliant
- GR-326-Core

PART NUMBER

Part Number	Description
SCZ-7010LSA	SCHNELL LC SINGLE MODE DUPLEX ADAPTOR
SCZ-7010SSA	SCHNELL SC SINGLE MODE DUPLEX ADAPTOR

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