

SC FIBER OPTIC ADAPTER SERIES



SC-MM-SX (OM2)



SC-MM-SX (OM3)



SC/PC-MM-SX (OM4)



SC/UPC-SM-SX



SC/APC-SM-SX



SC-MM-DX (OM2)



SC-MM-DX (OM3)



SC-MM-DX (OM4)



SC/SM-DX-UPC



SC/APC-SM-DX

DESCRIPTION

The ERAT Fiber Optic Adapter Series is designed to provide precise alignment between two fiber optic connectors, ensuring reliable, low-loss optical connections. Designed for telecommunication networks, data centers, FTTH, CATV, and structured cabling applications, the adapters are fully compatible with both Singlemode and Multimode fiber optic systems. Featuring a precision zirconia ceramic alignment sleeve, they deliver low insertion loss, high connection stability, and long-term durability.

FEATURES

- Low insertion loss
- High return loss
- Precision zirconia ceramic alignment sleeve
- High mechanical durability
- Easy push-pull operation
- Compatible with Singlemode and Multimode fiber optic systems
- Available in Simplex and Duplex configurations
- Compatible with SC connector types
- Available with UPC and APC polishing options
- RoHS compliant
- Manufactured in accordance with IEC 61754, IEC 61300, and IEC 60874-14 standards
- Ferrule material: Zirconia ceramic
- Durability: ≤ 0.2 dB typical change after 500 mating cycles

****Backed by a 25-year system performance warranty when installed as part of a complete ERAT fiber optic cabling system.**

APPLICATIONS

- Telecommunication networks
- FTTH (Fiber to the Home)
- Data centers
- LAN and structured cabling systems
- CATV systems
- Metro and backbone networks
- FTTx applications
- Patch panels and fiber optic distribution frames (ODF/FDB)

TECHNICAL SPECIFICATIONS

Optical Performance	Ceramic	Phosphor Bronze	Conformance
Insertion Loss (Typ)	0.1 dB	0.15 dB	IEC 61300-3-4
Mating Durability	500	500	IEC 61300-2-2
Receptacle Retention Force	2N - 5.9N	2N - 5.9N	IEC 61754-4
Operating Temperature	-25 to +70°C, 12 Cycles	-25 to +70°C, 12 Cycles	IEC 61300-2-22