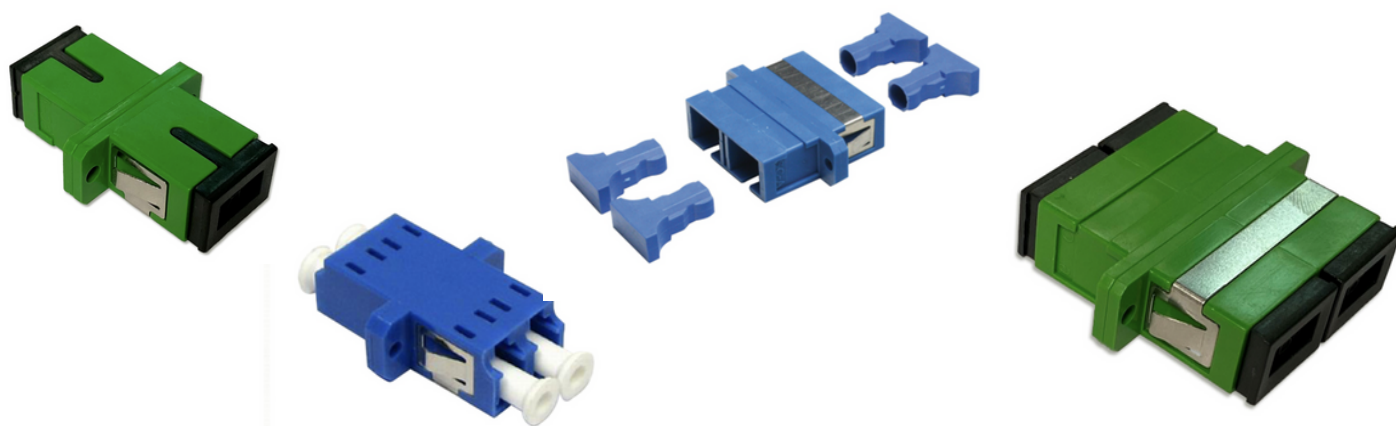




DESCRIPTION

Insheild produce diversified types of adapters including FC,SC,ST,LC,MU,MTRJ,E2000,DIN,D4,MPO,FC-SC,FC-ST,SC-ST,LC-FC,LC-SC etc. Integrative construction of connector, good and low insertion loss and high return loss can satisfy the requirements of fast, exact, stable connection in different environments.

Single mode adapters are available with either Zirconia or phosphor bronze sleeves. Zirconia sleeves provide tighter tolerances, generally required for angled physical contact (APC) connectors. Multimode adapters are available with phosphor Bronze sleeves, which provide good performance for spherical polished connectors.

FEATURES

- Available for singlemode and Multimode including APC
- .Ultra Polish or Angled Polished Connectors
- Color easy for identification
- Low insertion loss and improved reconnect ability
- All adapters supplied with zirconia ceramic sleeve
- Available in simplex and duplex adapters
- High size precision alignment sleeve.
- Good repeatability.
- Good changeability.
- Good temperature stabilization.
- RoHS Compliant.

APPLICATIONS

- Telecommunications networks
- CATV, LAN, MAN and WAN application
- Data processing networks
- Cable television
- Fibre-to-the-home
- Premises distribution

STANDARDS

- TIA/EIA-568-B.3
- ISO/IEC 11801
- IEC 61754-4

TECHNICAL DATA

Adapter Housing Material:	PBT / UL 94 V-0
Sleeve Material:	Phosphor Bronze / Zirconia
Applications:	10 GB Applications
Adapter Type:	Singlemode, Multimode
Mating Cycles:	> 500 Mating Cycles

ENVIRONMENTAL & MECHANICAL DATA

Parameters	Value/Value Range	Conformance
Temperature Cycling	-40°C to +75°C, 40 cycles=0.2 dB change	61300-2-18
High temperature	70°C for 96Hrs, < 0.4 dB change	61300-2-18
Damp Heat	40°C at 93 % RH for 96 Hrs, < 0.4 dB change	61300-2-19
Vibration-Mated Pair	10-55 Hz, 1.5 mm P to P < 0.2 dB change	61300-2-1
Mating Durability	500 Mating Cycles, Clean every 25, < 0.2 dB change	61300-2-2
Operating Temperature	-40°C to +75°C	
Storage Temperature:	-40°C to +85°C	

OPTICAL PERFORMANCE DATA

Parameters	Singlemode			Multimode
Insert. Loss/Adaptor (single Fibre)	0.2 dB Max	0.15 dB typ.	0.1 dB Max.	0.3 dB Max. (0.25 dB typ.)
Return Loss	≥ 45 dB	≥ 50 dB	≥ 60 dB	N.A
Insert. Loss/MTRJ	0.5dB Max. (0.45 dB typ.)			0.5 dB Max. (0.45 dB typ.)
Pull strength	≥98 N	≥98 N	≥98 N	≥98 N

ORDERING INFORMATION

Part number	Description
IN-LC-PC-09-SX	LC PC Singlemode Simplex Adaptor
IN-LC-APC-09-SX	LC/APC Singlemode Simplex Adaptor
IN-LC-PC-50-SX	LC PC Multimode Simplex Adaptor
IN-LC-PC-09-DX	LC PC Singlemode Duplex Adaptor
IN-LC-APC-09-DX	LC/APC Singlemode Duplex Adaptor
IN-LC-PC-50-DX	LC PC Multimode Duplex Adaptor
IN-LC-PC-09-SX-SH	LC PC Singlemode Simplex Shutter Adaptor
IN-LC-APC-09-SX-SH	LC/APC Singlemode Simplex Shutter Adaptor
IN-LC-PC-50-SX-SH	LC PC Multimode Simplex Shutter Adaptor
IN-LC-PC-09-DX-SH	LC PC Singlemode Duplex Shutter Adaptor
IN-LC-APC-09-DX-SH	LC/APC Singlemode Duplex Shutter Adaptor
IN-LC-PC-50-DX-SH	LC PC Multimode Duplex Shutter Adaptor
IN-LC-PC-50-3-LO-DX	LC PC Multimode Duplex Adaptor Laser Optimized (OM3)
IN-LC-PC-50-4-LO-DX	LC PC Multimode Duplex Adaptor Laser Optimized (OM4)
IN-LC-UPC-09-DX	LC/UPC Singlemode Duplex Adaptor