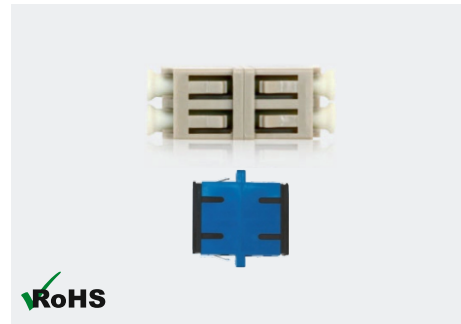


# FIBRE ADAPTER

## FIBRE OPTIC ADAPTER E-SERIES

Fibre optic adapters are used in conjunction with enclosures (Rack or Wall Mount) to provide a means to connect backbone to backbone or backbone to horizontal fibre cabling. They have plastic housing and available in simplex, duplex and quad footprint. The fibre adapters colours are Blue or SM/PC, Beige for MM/PC and Green for SM/APC. Fibre optic adapters are with bronze sleeve for multimode and Zirconia sleeve for single mode.



## APPLICATIONS

CATV  
 Active device/Transceiver, Telecommunication networks  
 Multimedia Data processing networks  
 Test equipment, Premise installations  
 Gigabit Ethernet

## ENVIRONMENTAL & MECHANICAL DATA

Operating Temperature	-40°C to +75°C
Storage Temperature:	-40°C to +85°C
Temperature Cycling (61300-2-18)	-40°C to +75°C, 40 cycles=0.2 dB change
High temperature (61300-2-18)	70°C for 96Hrs, < 0.4 dB change
Damp Heat (61300-2-19)	40°C at 93 % RH for 96 Hrs, < 0.4 dB change
Vibration-Mated Pair (61300-2-1)	10-55 Hz, 1.5 mm P to P < 0.2 dB change
Mating Durability (61300-2-2)	500 Mating Cycles, Clean every 25, < 0.2 dB change
Retention Force	2.0 ~ 5.9 N

## DESIGN & MATERIALS

Adapter Material	High Impact flame retardant thermoplastic
Capillary Diameter Tolerance (Single Mode)	126 ± 0.5 µm
Capillary Diameter Tolerance (Multimode)	127 ± 0.5 µm
Operating Temperature	-40 °C to +85 °C
Storage Temperature:	-40 °C to +85 °C
Mating Durability	>500 Mating Cycles

## OPTICAL PERFORMANCE DATA

Item	Single mode			Multimode		
	PC	UPC	APC	62.5/125	50/125	50/125 10G
Insert. Loss/Adapter (single Fibre)	0.2 dB Max. (0.15 dB typ.)			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		

# FIBRE ADAPTER

## FIBRE OPTIC ADAPTER E-SERIES

### ORDERING INFORMATION

#### LC-DUPLEX

Part Number	Description
NFD-L10S2	LC/PC SM OS2 Duplex Adaptor
NFD-L20S2	LC/UPC SM OS2 Duplex Adaptor
NFD-L10M3	LC/PC MM OM3 Duplex Adaptor
NFD-L20M3	LC/UPC MM OM3 Duplex Adaptor

#### SC -SIMPLEX

Part Number	Description
NFS-S10S2	SC/PC SM OS2 Simplex Adaptor
NFS-S20S2	SC/UPC SM OS2 Simplex Adaptor
NFS-S10M3	SC/PC MM OM3 Simplex Adaptor
NFS-S20M3	SC/UPC MM OM3 Simplex Adaptor

#### SC-DUPLEX

Part Number	Description
NFD-S10S2	SC/PC SM OS2 Duplex Adaptor
NFD-S20S2	SC/UPC SM OS2 Duplex Adaptor
NFD-S10M3	SC/PC MM OM3 Duplex Adaptor
NFD-S20M3	SC/UPC MM OM3 Duplex Adaptor