

# FIBRE ADAPTOR

## FIBRE ADAPTOR SPECIFICATION

Norden's fibre adaptors are available for all standard connector types in both single mode and multimode including Simplex and duplex versions. Single mode adaptors are available with either Zirconia or phosphor bronze sleeves. Zirconia sleeves provide tighter tolerances, generally required for angled physical contact (APC) connectors. Multimode adaptors are available with phosphor Bronze sleeves, which provide good performance for spherical polished connectors. The adaptor sleeve aligns the ferrules and holds them in place. The adaptors are colour coded allowing easy identification of the adaptor type.

Norden hybrid Fibre optic adaptors are also available which are used to link different kinds of fibre optic connectors. Hybrid Adaptor specifications and functions are same as standard fibre optic adaptors.

## 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

## OPTICAL PERFORMANCE DATA

Item	Single mode			Multimode		
	PC	UPC	APC	62.5/125	50/125	50/125 10G
Insert. Loss/Adaptor (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		

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E2000 to LC fibre optic adaptors are all plastic housing; these fibre optic adaptors are available with Phosphor Bronze sleeve for multimode and Zirconia sleeve for single mode.



## APPLICATIONS

Telecommunication  
 CATV  
 Subscriber loop  
 FTTH  
 LAN  
 Test equipment

## DESIGN & MATERIALS

Adaptor Material	High Impact flame retardant thermoplastic UL94-V0
Dimension (H X W X D)	0.89" x 0.58" w x 1.10"
Split Sleeve Material	Phosphor Bronze or Zirconia ceramic for SM
Polish	PC, UPC, APC
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

## ORDERING INFORMATION

Part Number	Description
351-SLCE2	LC - E2000 Singlemode Simplex Adaptor
351-MLCE2	LC - E2000 Multimode Simplex Adaptor

## PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
351-SLCE2	100 x 5 x 5	Carton Box	12.0	13.0	545 x 260 x 395
351-MLCE2	100 x 5 x 5	Carton Box	12.0	13.0	545 x 260 x 395