

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		

FIBRE ADAPTOR

E2000 FIBRE OPTIC ADAPTOR

Typical E2000 fibre optic adaptors are available by single mode PC and single mode APC, they are simplex fibre optic adaptors, SC patch panel mount type.



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 Single mode applications)
Colour	MM (OM1/OM2 - Beige, OM3/OM4 - Aqua); SM - Blue
Polish	PC, UPC, APC
Capillary diameter tolerance(Single Mode)	126 ± 0.5µm
Capillary diameter tolerance(Multimode)	127± 0.5µm
Operating Temperature	-40 to +85° C
Storage Temperature	-40 to +85° C
Mating Durability	>500 Mating Cycles

ORDERING INFORMATION

Part Number	Description
351-SE2E2	E2000 Singlemode Simplex Adaptor
351-ME2E2	E2000 Multimode OM1/OM2 Simplex Adaptor
351-LE2E2	E2000 Multimode OM3/OM4 Simplex Adaptor