

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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ST FIBRE OPTIC ADAPTOR

ST fibre optic adaptors are all threaded type, with metal housing, single mode ones are with Zirconia sleeve and multimode ones are with Bronze sleeve. ST fibre optic adaptors are simplex adaptors.



APPLICATIONS

LAN & WAN Network
CATV, Broadband FTTP

DESIGN & MATERIALS

Adaptor material	Zinc Alloy with nickel plating
Dimension (H X W x D)	0.66" x 0.60" x 1.3"
Split Sleeve Material	Phosphor Bronze or Zirconia ceramic for SM
Capillary diameter tolerance	126 ± 0.5 µm (Single Mode) & 127 ± 0.5 µm (Multimode)
Operating Temperature	-40 °C to +75 °C
Storage Temperature	-40 °C to +85 °C
Mating durability	> 500 Mating Cycles

ORDERING INFORMATION

Part Number	Description
351-SSTST	ST Singlemode Simplex Adaptor
351-MSTST	ST Multimode Simplex Adaptor

PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
351-SSTST	100 x 5 x 5	Carton Box	11.5	12.5	545 x 260 x 395
351-MSTST	100 x 5 x 5	Carton Box	11.5	12.5	545 x 260 x 395