

# 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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## LC - ST HYBRID FIBRE OPTIC ADAPTOR

LC – ST hybrid fibre optic adaptors are all with plastic or metal (Zinc alloy nickel plated) housing, there are different colours: blue for single mode PC, green for single mode APC and beige for multimode PC. Single mode adaptors are with Zirconia sleeve while multimode fibre adaptors are with phosphor bronze sleeve. Hybrid ST - LC fibre optic adaptors are available with both simplex adaptors and duplex adaptors.



## ORDERING INFORMATION

Part Number	Description
351-SSTLC	ST - LC Singlemode Simplex Adaptor
351-MSTLC	ST - LC Multimode Simplex Adaptor

## PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
351-SSTLC	100 x 5 x 5	Carton Box	12.5	13.5	545 x 260 x 395
351-MSTLC	100 x 5 x 5	Carton Box	12.5	13.5	545 x 260 x 395