

FIBRE ADAPTER

FIBRE ADAPTER SPECIFICATION

Norden's fibre adapters are available for all standard connector types in both single mode and multimode including Simplex and duplex versions as per ANSI/TIA 568 C.3 Standard. Single mode adapters are available with either Zirconia or phosphor bronze sleeves. Zirconia sleeves provide tighter tolerances, generally required for angled physical contact (APC) connectors. Multimode adapters are available with phosphor Bronze sleeves, which provide good performance for spherical polished connectors. The adapter sleeve aligns the ferrules and holds them in place. The adapters are laser optimized and colour coded for easy identification of the adapter type.

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

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

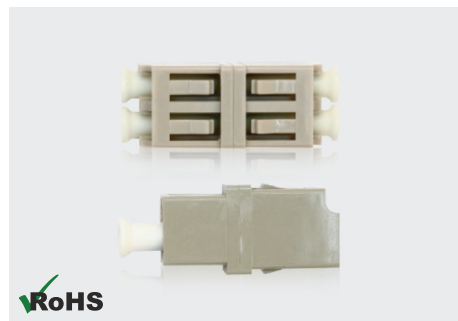
OPTICAL PERFORMANCE DATA

Item	Single mode			Multimode		
	PC	UPC	APC	62.5/125	50/125	50/125 10G
Insert. Loss/Adapter (single Fibre)	0.2 dB Max. (0.15 dB typ.)		0.1 dB Max.	0.3 dB Max. (0.25 dB typ.)		
Return Loss	≥ 45 dB	≥ 55 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 FIBRE OPTIC ADAPTER

LC 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; there are simplex, duplex and quad LC adapters, duplex LC fibre adapters are with SC simplex footprint. The LC fibre adapters colours are Blue or SM/PC, Beige for MM/PC and Green for SM/APC. LC 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

DESIGN & MATERIALS

Adapter Material	High Impact flame retardant thermoplastic UL94-V0
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-SLCLC	LC Singlemode Simplex Adapter
351-SLCLC02	LC/APC Singlemode Simplex Adapter
351-MLCLC	LC Multimode Simplex Adapter
352-SLCLC	LC Singlemode Duplex Adapter
352-SLCLC02	LC/APC Singlemode Duplex Adapter
352-MLCLC	LC Multimode Duplex Adapter
351-SLCLCSH	LC Singlemode Simplex Shutter Adapter
351-SLCLC02SH	LC/APC Singlemode Simplex Shutter Adapter
351-MLCLCSH	LC Multimode Simplex Shutter Adapter
352-SLCLCSH	LC Singlemode Duplex Shutter Adapter
352-SLCLC02SH	LC/APC Singlemode Duplex Shutter Adapter
352-MLCLCSH	LC Multimode Duplex Shutter Adapter
352-LLCLC	LC Multimode Duplex Adapter Laser Optimized (OM3/OM4)
352-SLCLC01	LC/UPC Singlemode Duplex Adapter
353-SLCLC	LC Singlemode Quad Adapter
353-MLCLC	LC Multimode Quad Adapter

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PACKING INFORMATION

Product Type	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
LC Simplex	100 x 5 x 10	Carton Box	12.0	13.0	545 x 260 x 395
LC Duplex	50 x 5 x 10	Carton Box	10.5	11.5	545 x 260 x 395
LC Simplex Shutter	100 x 5 x 10	Carton Box	12.5	13.5	545 x 260 x 395
LC Duplex Shutter	50 x 5 x 10	Carton Box	11.0	12.0	545 x 260 x 395
LC Quad Adapter	25 x 5 x 10	Carton Box	10.0	11.0	545 x 260 x 395