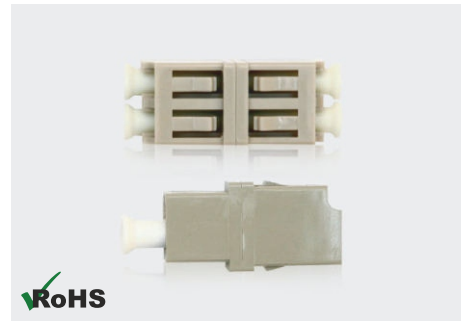


FIBRE ADAPTER

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

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 optimize 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
Retention Force	2.0 ~ 5.9 N

DESIGN & MATERIALS

Adapter Material	High Impart 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

FIBRE ADAPTER

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	≥ 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		

ORDERING INFORMATION

LC SINGLEMODE

Part Number	Description
352-ALCLC	LC/PC Singlemode Duplex Adaptor
352-ALCLC02	LC/APC Singlemode Duplex Adaptor
352-ALCLC01	LC/UPC Singlemode Duplex Adaptor
354-ALCLC	LC/PC Singlemode Duplex Adaptor without Flange
354-ALCLC02	LC/APC Singlemode Duplex Adaptor without Flange
354-ALCLC01	LC/UPC Singlemode Duplex Adaptor without Flange
352-ALCLCSH	LC/PC Singlemode Duplex Adaptor Shuttered
352-ALCLC01SH	LC/UPC Singlemode Duplex Adaptor Shuttered
352-ALCLC02SH	LC/APC Singlemode Duplex Adaptor Shuttered
353-ALCLC	LC/PC Singlemode Quad Adaptor
353-ALCLC02	LC/APC Singlemode Quad Adaptor
353-ALCLC01	LC/UPC Singlemode Quad Adaptor

LC MULTIMODE OM2

Part Number	Description
352-DLCLC	LC/PC Multimode OM2 Duplex Adaptor,Beige
352-DLCLC01	LC/UPC Multimode OM2 Duplex Adaptor,Beige
353-DLCLC	LC/PC Multimode OM2 Quad Adaptor,Beige
353-DLCLC01	LC/UPC Multimode OM2 Quad Adaptor,Beige

LC MULTIMODE OM3

Part Number	Description
352-ELCLC	LC/PC Multimode OM3 Duplex Adaptor,Aqua
352-ELCLC01	LC/UPC Multimode OM3 Duplex Adaptor,Aqua
353-ELCLC	LC/PC Multimode OM3 Quad Adaptor,Aqua
353-ELCLC01	LC/UPC Multimode OM3 Quad Adaptor,Aqua

LC MULTIMODE OM4

Part Number	Description
352-FLCLC	LC/PC Multimode OM4 Duplex Adaptor,Violet
352-FLCLC01	LC/UPC Multimode OM4 Duplex Adaptor,Violet
352-FLCLCSH	LC/PC Multimode OM4 Duplex Adaptor Shuttered, Violet
354-FLCLCSH	LC/PC Multimode OM4 Duplex Adaptor Shuttered without flange, Violet
353-FLCLC	LC/PC Multimode OM4 Quad Adaptor,Violet
353-FLCLC01	LC/UPC Multimode OM4 Quad Adaptor,Violet

FIBRE ADAPTER

LC MULTIMODE OM5

Part Number	Description
352-GLCLC	LC/PC Multimode OM5 Duplex Adaptor,Lime Green
352-GLCLC01	LC/UPC Multimode OM5 Duplex Adaptor,Lime Green
353-GLCLC	LC/PC Multimode OM5 Quad Adaptor,Lime Green
353-GLCLC01	LC/UPC Multimode OM5 Quad Adaptor,Lime Green

OM2: Beige,OM3 : Aqua,OM4 : Violet,OM5 : Lime Green

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