

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 as per ANSI/TIA 568 C.3 Standard. 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 laser optimized and colour coded for 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 |

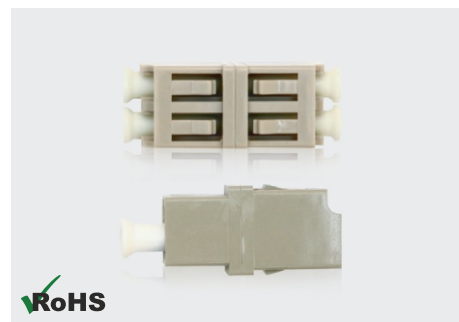
OPTICAL PERFORMANCE DATA

| 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.) | | 0.1 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 | | |

FIBRE ADAPTOR

LC FIBRE OPTIC ADAPTOR

LC fibre optic adaptors 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 and duplex LC adaptors, duplex LC fibre adaptors are with SC simplex footprint. The LC fibre adaptors colours are Blue or SM/PC, Beige for MM/PC and Green for SM/APC. LC fibre optic adaptors 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

| | |
|--|---|
| Adaptor 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 Adaptor |
| 351-SLCLC02 | LC/APC Singlemode Simplex Adaptor |
| 351-MLCLC | LC Multimode Simplex Adaptor |
| 352-SLCLC | LC Singlemode Duplex Adaptor |
| 352-SLCLC02 | LC/APC Singlemode Duplex Adaptor |
| 352-MLCLC | LC Multimode Duplex Adaptor |
| 351-SLCLCSH | LC Singlemode Simplex Shutter Adaptor |
| 351-SLCLC02SH | LC/APC Singlemode Simplex Shutter Adaptor |
| 351-MLCLCSH | LC Multimode Simplex Shutter Adaptor |
| 352-SLCLCSH | LC Singlemode Duplex Shutter Adaptor |
| 352-SLCLC02SH | LC/APC Singlemode Duplex Shutter Adaptor |
| 352-MLCLCSH | LC Multimode Duplex Shutter Adaptor |
| 352-LLCLC | LC Multimode Duplex Adaptor Laser Optimized (OM3/OM4) |
| 352-SLCLC01 | LC/UPC Singlemode Duplex Adaptor |

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 | 11.0 | 545 x 260 x 395 |