



OPTICAL ADAPTERS KIT

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|-----------------------------------|---|----------------------|------------------|--------------|
| Description | The kits are composed of optical adapters, simplex or duplex, usually grouped in sets of 2 or 6 fibers. The adapters, also called optical couplers, interconnect two optical adapters, ensuring correct alignment of ferrules of connectors and thus the optical fibers. The adapters are made of plastic with a metal lock. | | | |
| Application | Support for background requirements of IEEE 802.3 (Gigabit and 10 Gigabit Ethernet) and ANSI T11.2 (Fibre Channel) standard. | | | |
| Advantage | <ul style="list-style-type: none"> • Recommended for indoor use only, ending optical cables in optical distribution frame, in optical systems with low loss and high bandwidth, like: high distance systems, backbone networks, video and data transmission and distribution; • Exceeds performance requirements of EIA/TIA-568-C.3 standard; • Available in diverse kinds of optical connectors; • Available for singlemode and multimode optical fiber; • Available for PC and APC polishing connectors. | | | |
| Installation Environment | Indoor | | | |
| Operation Environment | Non Aggressive | | | |
| Operation Temperature (°C) | From -25°C to 75°C | | | |
| Color | ADAPTER | TYPE OF FIBER | POLISHING | COLOR |
| | SC - LC Duplex | 50.0, 62.5 | PC | Beige |
| | SC - LC Duplex | SM | PC | Blue |
| | SC - LC Duplex | SM | APC | Green |
| | SC - LC Duplex | OM3, OM4 | PC | Aqua |
| | LC-Duplex | OM5 | PC | Lime Green |
| | ST - FC | SM/MM | PC | Metallic |
| | FC | SM | APC | Metallic |
| | E2000 | MM | PC | Beige |
| | E2000 | SM | PC | Blue |
| | E2000 | SM | APC | Green |
| | MPO - A Type | SM/MM | | Black |
| | MPO - B Type | SM/MM | | Gray |

Insertion Loss (dB) LC, SC, ST, FC and E2000 -> 0.15 - 0.3 dB (Max)
 MPO ->0.5dB (Max)

| Return Loss (dB) | TYPE OF CONNECTOR | POLISHING | FIBER | RETURN LOSS - MÓDULE | CLASS (NBR 14433) |
|------------------|----------------------|-----------|-------|----------------------|-------------------|
| | LC, SC, ST and FC | UPC | MM | >30 | A |
| | LC, SC, ST and FC | UPC | SM | >50 | C |
| | LC, SC, FC and E2000 | APC | SM | >60 | D |
| | MPO | APC | SM | >50 | |
| | MPO | UPC | MM | >20 | |

Fibers Quantity The optical adapters kit interconnects different amount of fiber, according to the model:

- 02F (1 piece for duplex adapters or 2 pieces for simplex adapters)
- 06F (3 pieces for duplex adapters or 6 pieces for simplex adapters)
- 12F (1 piece, only for MPO adapters)
- 72F (6 pieces, only for MPO adapters)

Mated > 500 cycles

Minimum Order Quantity 1 box

Compatibility All FCS product line.

Quantity per gift box 10 pieces

Warranty 12 months

RoHS This product is in accordance with the RoHS European Directive: a directive on the restriction of the use of certain hazardous substances and related to the environmental preservation.

[Part Numbers](#)