



OPTICAL ADAPTERS KIT

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

- 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 - MÓDULO	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)

Quantity of insertion cycles > 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](#)