



PIGTAIL AND OPTICAL ADAPTER KIT

Product Type Pigtail and Optical Adapter

Product Family TeraLan

Description The Kit consists of two main parts:

- Optical Pigtail: optical cord, simplex or duplex, connectorized at only one end;
- Optical Adaptor: coupler that interconnects two optical connectors, of the same type.

Product Type RoHS Compliant

Installation Environment Indoor

Operation Environment Non Aggressive

Compatibility This product is compatible with all Optical Distributors of FCS product line. The standard kit is compatible with following ODF's:

- A270
- B48
- A146
- A115
- BW12
- B144
- LGX

It can also be used with Optical Termination Points that have the capability to accommodate optical couplers:

- PTO 02F
- PTO 12F
- BW12
- Rosette
- CEIP 12

Also compatible with:

- DGOI-C 64F

Warranty 12 months

Extended Warranty 15 or 25 years - in accordance to the FCS Extended Warranty Program

Advantage

- Recommended for indoor use only, terminating optical cables in optical distributors. Designed for optical systems with low loss and high bandwidth, as: long distance systems, backbone networks, video and data transmission and distribution;
- Exceeds performance requirements of EIA/TIA-568-B.3 standard;
- Support for background requirements of IEEE 802.3 (Gigabit and 10 Gigabit Ethernet) and ANSI T11.2 (Fibre Channel) standard;
- Fully assembled and tested in factory;
- High performance for insertion loss and return loss (back reflection);
- Available for several kinds of optical connectors;
- Available for singlemode and multimode optical fiber;
- Available in PC and APC polishing.

Length

1.5 m

Nominal Diameter

- 0.9 mm
- 2.0 mm (MT-RJ)

Color

| | TIA 598 - C | |
|------------------------------|-------------|--------|
| Fiber | D 0.9 | D 2.0 |
| Singlemode Standard (G.652B) | Yellow | Yellow |
| Singlemode LWP (G.652D) | Yellow | Yellow |
| Singlemode (G657) | White | White |
| Multimode OM1 (62,5µm) | Orange | Orange |
| Multimode OM2 (50µm) | Orange | Orange |
| Multimode OM3 (50µm) | Aqua | Aqua |
| Multimode OM4 (50µm) | Aqua | Aqua |

Connector Type

LC

- SFF "Push-pull" Connector Type
- Plastic Body
- Ceramic Ferrule (zirconia)
- SM and MM Fiber
- PC Polishing (SPC/UPC)
- SM-PC Blue
- MM Beige
- APC Polishing
- SM-APC Green

SC

- "Push-pull" Connector Type
- Plastic Body
- Ceramic Ferrule (zirconia)

- SM and MM Fiber
- PC Polishing (SPC/UPC)
- SM-PC Blue
- MM Beige
- APC Polishing
- SM-APC Green

ST

- Guide pin connector type (BNC)
- Metallic Body
- Ceramic Ferrule (zirconia)
- SM and MM Fiber
- PC Polishing (SPC/UPC)
- Metallic

FC

- Spiral connector type
- Metallic Body
- Ceramic Ferrule (zirconia)
- SM and MM Fiber
- PC Polishing (SPC/UPC)
- APC Polishing
- Metallic

E-2000

- "Push-pull" connector type
- Plastic body
- Ceramic Ferrule (zirconia)
- SM Fiber
- APC Polishing
- Green

MT-RJ (2.0 mm extension only)

- "Push-pull" Connector Type
- Male connector (with guide pin) or female connector (without guide pin)
- Plastic body and ferrule
- SM or MM Fiber
- PC Polishing (SPC/UPC)
- Black

Polishing Type

- PC (SPC/UPC) - Single-mode and multimode fibers
- APC - Single-mode fibers

Fiber Type

- Single-mode Standard G.652B (9.0 μm)
 - Single-mode LWP G.652D (9.0 μm)
 - Single-mode G.657-A (9.0 μm)
 - Multimode OM1 (62.5 μm)
 - Multimode OM2 (50.0 μm)
 - Multimode OM3 (50.0 μm)
 - Multimode OM4 (50.0 μm)
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Amount of Fibers

- 02F - 2 optical extensions monofiber + 2 simplex optical adaptors or 1 duplex (LC and MT-RJ)
- 06F - 6 optical extensions monofiber + 6 simplex optical adaptors or 3 duplex (LC and MT-RJ)

Cable Flammability Rating

- OFN - General Optical Cable

Insertion loss

| CONNECTOR TYPE | POLISHING | FIBER | TYPICAL - MAXIMUM INSERTION LOSS (dB) ⁽⁷⁾ |
|----------------|-----------|-------|--|
| LC | SPC | MM | 0.30 - 0.50 |
| LC | UPC | MM | 0.15 - 0.30 |
| LC | SPC | SM | 0.30 - 0.50 |
| LC | UPC | SM | 0.15 - 0.30 |
| LC | APC | SM | 0.15 - 0.30 |
| SC | SPC | MM | 0.30 - 0.50 |
| SC | UPC | MM | 0.15 - 0.30 |
| SC | SPC | SM | 0.30 - 0.50 |
| SC | UPC | SM | 0.15 - 0.30 |
| SC | APC | SM | 0.15 - 0.30 |
| MT-RJ | - | MM | 0.30 - 0.50 |
| MT-RJ | - | SM | 0.50 - 0.80 |
| ST | SPC | MM | 0.30 - 0.50 |
| ST | UPC | MM | 0.15 - 0.30 |
| ST | SPC | SM | 0.30 - 0.50 |
| ST | UPC | SM | 0.15 - 0.30 |
| FC | SPC | MM | 0.30 - 0.50 |
| FC | UPC | MM | 0.15 - 0.30 |
| FC | SPC | SM | 0.30 - 0.50 |
| FC | UPC | SM | 0.15 - 0.30 |
| FC | APC | SM | 0.15 - 0.30 |
| E2000 | APC | SM | 0.15 - 0.30 |

Return loss

| CONNECTOR TYPE | POLISHING | FIBER | RETURN LOSS (7) $\hat{A}\hat{z}\hat{A}\hat{z}$ |
|----------------|-----------|-------|--|
| LC | SPC | MM | >30 |
| LC | UPC | MM | >30 |
| LC | SPC | SM | >40 |
| LC | UPC | SM | >50 |
| LC | APC | SM | >60 |
| SC | SPC | MM | >30 |
| SC | UPC | MM | >30 |
| SC | SPC | SM | >40 |
| SC | UPC | SM | >50 |
| SC | APC | SM | >60 |
| MT-RJ | - | MM | >30 |
| MT-RJ | - | SM | >40 |
| ST | SPC | MM | >30 |
| ST | UPC | MM | >30 |
| ST | SPC | SM | >40 |
| ST | UPC | SM | >50 |
| FC | SPC | MM | >30 |
| FC | UPC | MM | >30 |
| FC | SPC | SM | >40 |
| FC | UPC | SM | >50 |
| FC | APC | SM | >60 |
| E2000 | APC | SM | >60 |

Cycles quantity > 500 insertions

Installation Temperature 20°C

Operation Temperature From -25°C to 75°C

Amount per box gift 10 pieces

Minimum order quantity 1 box

Associated Solutions Data Centers, Commercial Building, Health, Educational, Governmental / Finance, Residential

Standard

ABNT NBR 14433 - Connectors mounted on optical cords or optical fiber cables and adapters - Specification

ABNT NBR 14705 - Classification of internal cables for telecommunications about of flame behavior - Specification

ISO 8877 - Information Technology - Telecommunications and information exchange between systems - Interface connector and contact assignments for ISDN basic access interface located at reference points S and T

ANSI/EIA/TIA-568-C.0 - Generic Telecommunications Cabling for Customer Premises

ANSI/EIA/TIA-568-C.1 - Commercial Building Telecommunications Cabling Standard

ANSI/TIA-568-C.3 - Optical Fiber Cabling Component Standard

ISO/IEC 11.801 Ed.02 - Generic Cabling for Customer Premises

Certification

Note

Extended Warranty of 15 or 25 years, requires the fulfillment of the Special Extended Warranty FCS.

Other lengths upon request.

Provided with standard flammability class type OFN. Other classes of flammability upon request.