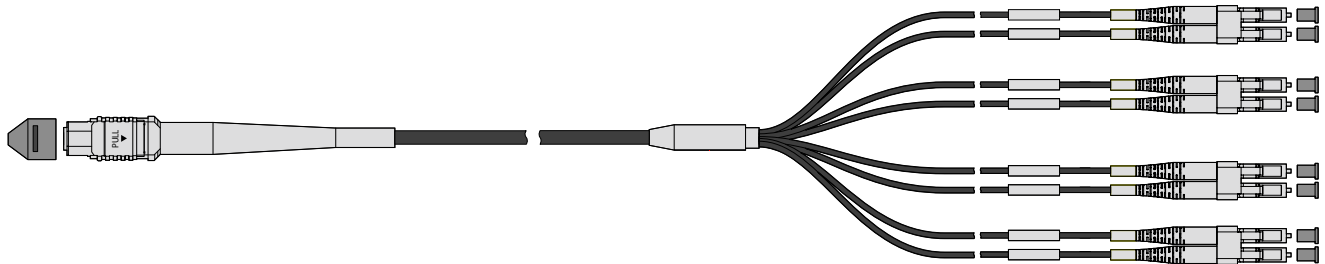


Quick Start

Fiber Jumper Cable MTP to 4 LC/UPC



DESCRIPTION

This Quick Start supports the following part numbers:

Part Number	Description
1445003F1	Fiber Jumper MTP to 4 LC 4M
1445003F2	Fiber Jumper MTP to 4 LC 6M

The Fiber Jumper Cable connects 40G and 100G QSFP+ pluggables to eight SFP or fiber connections.

The Fiber Jumper cable includes a female 12F Media Transfer Protocol (MTP) connector with four pairs of LC/UPC duplex connectors.

INSTALLATION

Before installing the equipment, inspect the Fiber Jumper Cable. If damage has occurred during shipping, file a claim with the carrier, and then contact ADTRAN Customer Support. For more information, refer to the warranty.

To install the Fiber Jumper Cable, complete the following steps:

1. Insert the MTP connector into the MTP connection on the QSFP+ pluggable.
2. Connect the LC/UPC duplex connectors to the LC and UPC fiber connections.

MAINTENANCE

The Fiber Jumper Cable does not require routine hardware maintenance for normal operation. ADTRAN does not recommend that repairs be attempted in the field. Repair services may be obtained by returning the defective unit to ADTRAN. Refer to the warranty for further information. Field support for software is provided through upgrade facilities.

OPERATIONAL SPECIFICATIONS

General

- Fiber
- Optical connectors
 - ◆ 12F MTP Female connector, APC polished

- ◆ LC/UPC connector, UPC polished
- Applications
 - ◆ 40G QSFP/100G QSFP28
 - ◆ MPO to 4x SFP+ LC Applications
- Distance: 4 or 6 meters

Environmental

Protected Equipment Environment (Outside)

- Operational Temperature Range: -40°C to $+65^{\circ}\text{C}$
- Storage Temperature Range: -40°C to $+85^{\circ}\text{C}$
- Relative Humidity: up to 95%, noncondensing

SAFETY AND REGULATORY

ENGLISH



WARNING!

Read all warnings and cautions before installing or servicing this equipment.



CAUTION!

- Electrostatic Discharge (ESD) can damage electronic modules. When handling modules, wear an antistatic discharge wrist strap to prevent damage to electronic components. Place modules in antistatic packing material when transporting or storing. When working on modules, always place them on an approved antistatic mat that is electrically grounded.
- This product and the host system are designed and intended for installation as part of a Common Bonding Network (CBN). This product and the host system are not designed nor intended for installation as part of an Isolated Bonding Network (IBN).
- This product does not have an internal DC connection between battery return and frame ground. This product can be installed in a DC-I (isolated) or DC-C (common) configuration.
- The chassis frame ground terminal of the host device must be connected to a reliable earth ground to ensure that the exposed metal (i.e., front panels, SFP/XFP modules) on the product is properly grounded.

NOTE

- This product is designed to be deployed in GR-3108-CORE environmental class 1.
- This product meets or exceeds all the applicable requirements of NEBS, Telcordia GR-63-CORE, and GR-1089-CORE. The product is intended for deployment in Central Office type facilities, EEEs, EECs, and locations where the NEC applies (for example, Customer Premises).
- This product is NRTL Listed to the applicable UL Standards. The product is designed to meet the applicable requirements of Telcordia GR-63-CORE and GR-1089-CORE.
- This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
 1. This device may not cause harmful interference.
 2. This device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by ADTRAN could void the user's authority to operate this equipment.
- This product is designed to meet the following environmental classes:
 - ◆ ETSI EN 300 019-2-1 "Classification of environmental conditions; Storage Class" 1.2
 - ◆ ETSI EN 300 019-2-2 "Classification of environmental conditions; Transportation", Class 2.3
 - ◆ ETSI EN 300 019-2-3 "Classification of environmental conditions; Stationary use at weather protected locations", Class 3.1E
- This product is designed to function without degradation during exposure to all test severities per Class 3.3 of ETSI EN 300 019-2-3.
- This product meets EU RoHS Directive. Refer to www.adtran.com for further information on RoHS/WEEE.

FRANÇAIS

AVERTISSEMENT!

Lisez tous les avertissements et mises en garde avant l'installation de cet équipement ou la réalisation de toute opération de maintenance.

ATTENTION!

- L'ESD (décharge électrostatique) peut endommager les modules électroniques. Lors de la manipulation des modules, portez un bracelet de décharge antistatique pour éviter d'endommager les composants électroniques. Placez les modules dans un emballage antistatique lors du transport ou du stockage. Lorsque vous travaillez sur les modules, placez-les toujours sur un tapis antistatique certifié muni d'un branchement de mise à la terre.
- Ce produit et le système hôte sont conçus et destinés à être installés dans le cadre d'un réseau Bonding commun (CBN). Ce

produit et le système hôte ne sont pas conçus, ni destinés à être installés dans le cadre d'un réseau de Bonding isolé (IBN).

- Ce produit ne dispose pas d'une connexion c.c. interne entre le courant de retour de la batterie et la masse du châssis. Ce produit peut être installé en configuration c.c.-I (isolé) ou c.c.-C (commun).
- La borne de terre de châssis doit être connecté à une prise de terre pour assurer que le métal exposé (tels que les panneaux avant, des modules SFP / XFP) sur le produit est correctement mis à la terre via le connecteur de fond de panier.

REMARQUE

- Ce produit est conforme à la directive. Reportez-vous à www.adtran.com pour de plus amples renseignements sur RoHS/WEEE.

DEUTSCH

WARNUNG!

Lesen Sie sich alle Warn- und Sicherheitshinweise durch, bevor Sie dieses Gerät installieren oder warten.

VORSICHT!

- Elektrostatische Entladung (ESD) können elektronische Baugruppen beschädigt werden. Beim Umgang mit Modulen, tragen Sie eine Antistatikarmband, um Schäden an elektronischen Bauteilen zu verhindern. Ort -Module in antistatische Verpackung, beim Transport oder Lagerung. Bei Arbeiten an Modulen immer legen Sie sie auf einer zugelassenen antistatische Unterlage, die elektrisch geerdet ist.
- Dieses Produkt und das Host-System entworfen und für die Installation als Teil einer gemeinsamen Bonding Network (CBN) vorgesehen. Dieses Produkt und das Host-System nicht noch für die Installation als Teil eines isolierten Bonding Network (IBN) bestimmt sind.
- Dieses Produkt hat keinen internen Gleichstromanschluss zwischen Batterierücknahme und Gehäusemasse. Dieses Produkt kann in einer DC-I (isoliert) oder DC-C (emeinsam) Konfiguration installiert werden.
- Der Fahrgestellrahmen Erdanschluß muß zu einer Erde verbunden werden, um sicherzustellen, dass das freiliegende Metall (dh Frontplatten, SFP / XFP-Module) auf dem Produkt richtig über den Backplane-Anschluss geerdet ist.

HINWEIS

- Dieses Produkt erfüllt die EU RoHS Richtlinie. Bitte besuchen Sie www.adtran.com für ausführlichere Informationen zu RoHS/WEEE.

Documentation for ADTRAN Network Solutions products is available for viewing and download directly from the ADTRAN Support Community website.

Go to: <https://supportforums.adtran.com/welcome>

Registration is required.

ADTRAN offers training courses on our products, including customized training and courses taught at our facilities or at customer sites.

For inquiries, go to: <http://adtran.com/training>

The following online documents and resources provide additional information for this product:

ADTRAN Pluggable Optics Compatibility Matrix (online tool, go to: <http://www.adtran.com/pluggableoptics>)

Warranty: ADTRAN will replace or repair this product within the warranty period if it does not meet its published specifications or fails while in service. Warranty information can be found online at www.adtran.com/warranty.

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