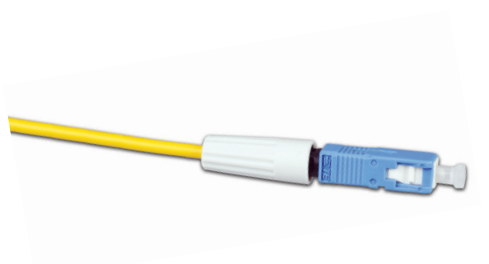


# F-Light Connector

## Single Mode Field Installable Connector



TE F-Light Connector is a field installable connector which uses a pre-assembled fibre connector design ideal for cable system applications. The F-Light mates with industry standard SC/UPC and SC/APC connectors. It is an ideal solution for FTTX field installations and is widely used where operators need a quick connection without the ability to manage cable over length.

From the central office to the ONU, the F-Light connector is designed to give operators flexibility in a constantly changing FTTx network.

The connector kit incorporates a factory-polished stub with a mechanical splice and connector body. This design allows for easy termination without the use of special tools. Given the optimized design, the average installation time can be less than one minute.

The F-Light connectors are RoHS compliant.

### FEATURES

- Simple, fast and reliable installation
- No special assembly tools required
- No epoxy, no polishing
- Re-usable
- Mates with standard SC adaptors
- Strip tool available to cleave fibre at specific length easily
- Strip tool compatible to most cleavers in the market
- Compliant commonly used cables
  - G652D & G657A fibre
  - 2 or 3mm round cable, 2\*3mm "figure 8" cable and 900um fibre



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### SPECIFICATION

Connector length (ferrule tip to boot)	53mm
Typical insertion loss (UPC)	0.2dB
Typical insertion loss (APC)	0.3dB
Max. insertion loss	0.5dB
Typical return loss (UPC)	50dB
Typical return loss (APC)	55dB
Storage temperature	-40 to 80°C
Operating temperature	-25 to 70°C
Mating durability	500 times
Cable retention	40N for fig8 cable 50N for 3mm round cable 35N for 2mm round cable 8N for 900um fibre
Re-entry	>5 times
Connection durability, $\Delta$ I.L. after 500 matings	<0.2dB
Water immersion, RT*, $\Delta$ I.L. after 168 hours	<0.2dB

\* RT, room temperature

### ORDERING INFORMATION

F-Light - **XX** - **XX**

#### Connector type

**S1** SC/UPC  
**S2** SC/APC

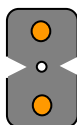
#### Cable type\*

**B1** single mode, 2 or 3mm round cable with Kevlar, or 2\*3mm figure 8 drop cable  
**B2** 900um fibre

\* Typical cable types are as below construction. Contact TE Connectivity for compatibility of other cable types.



Round Cable



2\*3mm fig 8 cable



900um fibre



F-Light Fibre Strip Tool

### DATA SHEET



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