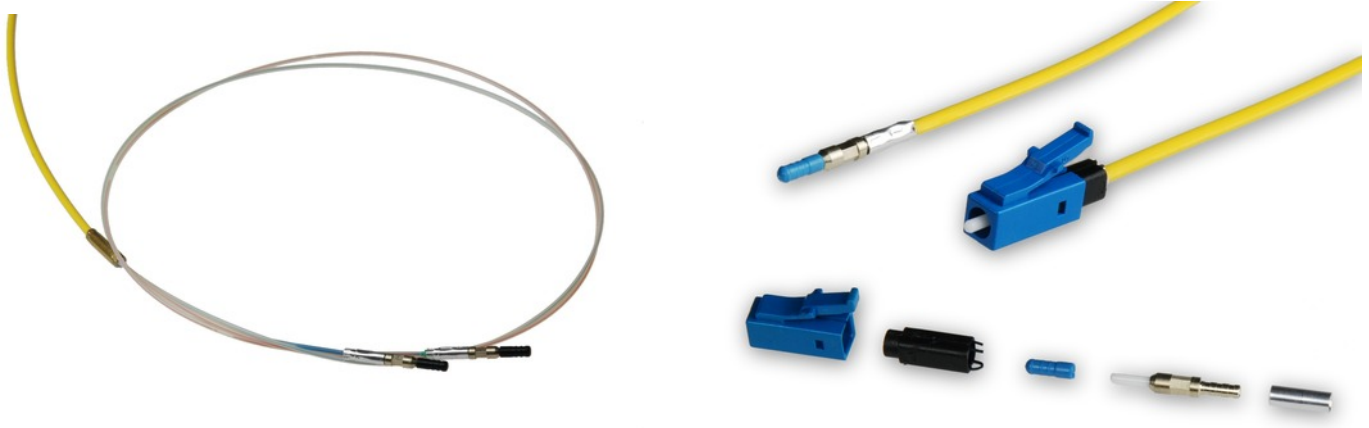


FO Cable Pigtail tMO (LC)/- Duplex 9/125 BBXS Fiber, Length: xxxx in m



## tMO - tde Modular Optical Connector

The tMO plug is a patented Small Form Factor (SSF) plug connector, which is developed particularly for blowing in microducts. The tMO plug which is based on LC-connector technology is extremely compact and equipped with a very thin ferrule holder. It is preterminated and can be blown without plug housings over a very long distance of up to 1,000 meters into 4/3 mm microducts. At the home side the plug housing is assembled by simple "snap on housing" and the connector is ready to go.

The tMO plug is 100% LC-compatible and is offered in multimode and singlemode. An APC version is likewise available.

Particularly with the fiber optic installation in "Fiber to the Home" environments offers the tMO enormous advantages:

- tMO makes it possible to blow the preterminated cables from the central distribution point without access to the homes.
- Removal from time and cost-intensive splicing and fiber blowing at the customer premises. Reduction of installation time as access to the households is not required



**tde<sup>®</sup> trans data elektronik GmbH**

**Headquarter address:**

Lingener Str. 2  
D-49626 Bippen/Ohrte  
Tel.: +49 5435 9511 0  
Fax.: +49 5435 9511 32

**Sales office address:**

Prinz-Friedrich-Karl-Str. 46  
D-44135 Dortmund  
Tel.: +49 231 914 36 99  
Fax.: +49 231 914 31 29

info@tde.de | www.tde.de

## FO Cable Pigtail tMO (LC)/- Duplex 9/125 BBXS Fiber, Length: xxxx in m

- Since the entrance to private homes is no longer necessary, multiple appointment arrangements with the private endusers become redundant

The FO Cable Pigtail Duplex is preterminated on one end with two tMO connectors.

### Applications:

Telecommunication, FTTX, LAN, Data Centers, Multimedia, Industry

## Technical Data

### Connector

|                       |  |
|-----------------------|--|
| Type                  | tMO (LC) Duplex  |
| Ferrule               | Ceramic, 125.5µm, not fitted with springs, LC - Compatible |
| Plug color            | blue   |
| Mating Durability     | 500  |
| Operating Temperature | -40° C to +75° C   |
| Producer              | tde  |

### Cable

|                        |                          |                     |
|------------------------|--------------------------|---------------------|
| Fiber                  | 9/125µ G.657.A2 & B2     |                     |
| No. of Fibers          | 2                        | red,white           |
| Outer Sheath           | 1.8 ± 0.2 mm             |                     |
| SheathColor            | yellow (single mode)     |                     |
| Filler Elements Colors | uncolored                |                     |
| Cable Weight           | 3 kg/km                  |                     |
| Pulling Force          | 150 N                    |                     |
| Side Load              | IEC 60794-1-2-E3         | 1250 N / 100 mm     |
| Impact:                | IEC 60794-1-2-E4         | 5 Nm                |
| Repeated Bending       | IEC 60794-1-2-E6         | R=25x D, 100 cycles |
| Cable Bend             | IEC 60794-1-2-E11        | R=20x D             |
| Temperature Range      | Transportation & Storage | - 30 to + 60°C      |
|                        | Installation             | - 10 to + 50°C      |
|                        | Operation                | - 20 to + 60°C      |

### Optical Performance

| Fiber   | Type | Wavelength | IL (dB) typical | IL (dB) maximum | RL (dB) typical | RL (dB) minimum |
|---------|------|------------|-----------------|-----------------|-----------------|-----------------|
| 09/125µ | tMO  | 1550nm     | ≤ 0.25          | 0.45            | ≥ 55            | 55              |

### Tests:

FO Cable Pigtail tMO (LC)/- Duplex 9/125 BBXS Fiber, Length: xxxx in m

Interferometer, Insertion Loss, Return Loss and Visual Final Inspection

QS-Managementsystem ISO 9001, ISO 14001 and TL 9000

## Product variants & accessories

| Art.-No.            | Description  |
|---------------------|--|
| L-TMO/-09I02EXSxxxx | FO Cable Pigtail tMO (LC)/- Duplex 9/125 BBXS Fiber, Length: xxxx in m |