

Description

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
- 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.

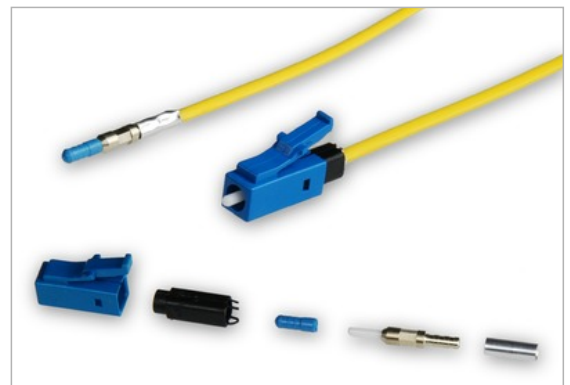
Applications:

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



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

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:

Interferometer, Insertion Loss, Return Loss and Visual Final Inspection

QS-Managementsystem ISO 9001, ISO 14001 and TL 9000

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