

tML[®] HD - Fiber Optic TAP Module LC APC Duplex 4-fold 9 / 125 μ OS2 10GBASE-LR 70:30



tML[®] - tde Modular Link

tML[®] is a patented, modular cabling system consisting of the three key components module, trunk cable and rack mount enclosure. The system components are 100 percent manufactured, pre-assembled and tested in Germany. They enable plug-and-play installation on site - especially in data centres, but also in industrial environments - within the shortest possible time. The system is characterized by highest packing density and highest flexibility during migration to higher transmission rates. Fibre optic and TP modules can be combined in one rack mount enclosure. 96x fibre optics LC Duplex or 96x MPO connectors can be used modularly on a 19-inch height unit. Thanks to its patented polarity and dark fibre modules, the tML system offers the simplest migration options to 100G and more.

The tML[®] - FO TAP Module is intended for the installation in the tML[®] Rack Mount Enclosure 1U (for 8 x Modules).



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Technical Data

Entry	4 x LC Duplex Adapter (black) with self-closing shutter front
Exit	8 x LC APC Duplex Adapter (green) with self-closing shutter front
Tests	Interferometer, Insertion Loss, Return Loss and Visual Final Inspection; all measured values are electronically archived
	QS-Managementsystem ISO 9001, ISO 14001 and TL 9000

Box	Galvanized steel sheet
Front Panel	Stainless steel
Dimensions	110 x 108 x 20 mm

FO Adapters

When the connector is inserted into the adapter it compresses the springs, opening the internal shutter. The internal shutter opens, and due to the special design of the shutter, it will not touch the ferrule end face. As the connector is removed from the adapter, the shutter spring automatically returns the internal shutter to the closed position.

Type	LC Duplex
Application	Singlemode APC
Design	One-Piece without flange
Connector style	SC simplex
Color	Green
Housing material	Plastic
Sleeve	Zirkonia Straight Split
Self-closing shutter material	Metal
Self-closing shutter protection	Dust and laser light
Manufacturer	tde

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FO Connectors

Connector Type	LC APC Unibody Duplex
Housing	Plastic, Green
Ferrule	Zirconia Straight Split, Spring-loaded Axially
Ferrule Hole	125.5 μ
Ferrule Concentricity	≤ 0.6 μ
Mating Cycles	500
Operating Temperature	-40°C up to +75°C
Strain Relief to	100 N
Manufacturer	tde
Simplex / Duplex Clip	with Duplex Clip

Optical performance

Fiber	Type	Wavelength	Insertion loss typ.	Insertion loss max.	Return loss min.
9/125μ	LC APC	1550 nm	≤ 0.10 dB	0.25 dB	75 dB

Product variants & accessories

Art.-No.	Description
TMLM04LCADS09E-TAP50	tML [®] HD - Fiber Optic TAP Module LC APC Duplex 4-fold 9 / 125μ OS2 10GBASE-LR 50:50
TMLM04LCADS09E-TAP70	tML [®] HD - Fiber Optic TAP Module LC APC Duplex 4-fold 9 / 125μ OS2 10GBASE-LR 70:30
TML-M04LCDS09E-TAP50	tML [®] HD - Fiber Optic TAP Module LC Duplex 4-fold 9 / 125μ OS2 10GBASE-LR 50:50
TML-M04LCDS09E-TAP70	tML [®] HD - Fiber Optic TAP Module LC Duplex 4-fold 9 / 125μ OS2 10GBASE-LR 70:30
TML-M04LCDS50G4TAP50	tML [®] HD - Fiber Optic TAP Module LC Duplex 4-fold 50 / 125μ OM4 10GBASE-SR 50:50
TML-M04LCDS50G4TAP70	tML [®] HD - Fiber Optic TAP Module LC Duplex 4-fold 50 / 125μ OM4 10GBASE-SR 70:30