tML® HD - FO Patch cord switchable LC HD / LC HD Duplex Mini 50/125µ, FRNC, OM5, Crossover, Length: xxx in m

\*\*tML® Xtended

tML® Xtended 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. Heart of the system are the rear MPO/MTP® 12 fiber and Telco connectors, which can be used to connect at least six or twelve ports at a time. Depending on the module configuration, transfer rates of up to 200G are currently possible with SR4. The fibre optic and TP modules can be used together in a module carrier with a very high port density. The tde offers its tML® cabling system as a proven tML® standard system and in the highly innovative variants tML® 24 system and now tML® 32 system for extreme scalability and very easy migration to higher transmission rates such as 40G, 100G, 200G and 400G.

\*\*tML® 24

tML® 24 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. Heart of the system are the rear MPO/MTP® 24 fiber and Telco connectors, which can be used to connect at least six or twelve ports at a time. Depending on the module configuration, transfer rates of up to 400G are currently possible with SR4. The fibre optic and TP modules can be used together in a module carrier with a very high port density. The tde offers its tML® cabling system as a proven tML® standard system and in the highly innovative variants tML®Xtended and now tML® 32 for extreme scalability and very easy migration to higher transmission rates such as 40G, 100G, 200G and 400G.

\*\*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. Heart of the system are the rear MPO/MTP® and Telco connectors, which can be used to connect at least six or twelve ports at a time. Depending on the module configuration, transfer rates of up to 200G are currently possible with SR4. The fibre optic and TP modules can be used together in a module carrier with a very high port density. The tde offers its tML® cabling system as a proven tML® standard system and in the highly innovative variants tML® Xtended, tML® 24 System and now tML® 32 System for extreme scalability and very easy migration to higher transmission rates such as 40G, 100G, 200G and 400G.

\*\*tML® - FO Patch cords LC HD/LC HD

\*\*TECHNISCHE\_DATEN

\*\*\*FO Connectors

|  |  |
| --- | --- |
| Connector type | LC HD duplex Uniboot |
| Polarity change | tool-less |
| Housing | Plastic, integrated locking of unlocking aid |
| Ferrule | Zirkonia Staight Split, Spring-loaded Axially |
| Ferrule hole | 126 µm |
| Mating cycles | 1000 |
| Operating temperature | -40°C to 75°C |
| Strain relief to | 100 N |
| Manufacturer | tde |
| Simplex/Cuplex clip | Uniboot Duplex Housing |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fiber | Type | Wavelength | Insertion loss typ. | Insertion loss max. | Return loss min. |
| 50/125µ OM5 | LC Uniboot HD | 850 nm | < 0.10 dB | 0.30 dB | 35 dB |

\*\*\*FO Cables

|  |  |
| --- | --- |
| Flame resistance | IEC 60332-3 |
|  | IEC 60754 |
|  | IEC 61034-1 |
|  | IEC 61034-2 |

|  |  |
| --- | --- |
| Type | DVH02G50-OM5-2.0 |
| Tight buffer | 2x 600µ coated fibers (free movable in the compound) |
| Fiber type | MM-OM4, 50/125µ, Corning ClearCurve OM5 |
| Strength members | Aramid yarn (free movable in the compound) |
| Outer jacket | LSZH (Halogen free, low smoke, flame retardant thermoplastic compound) |
| Jacket color | Magenta, RAL 4003 |
| Identification | "t d e – DVH02G50-OM5-2.0mm LSZH" and sequential meter marking + Lot number |

|  |  |
| --- | --- |
| Outer diameter cable | 2.0 ± 0.1 mm |
| Maximum tensile load, short term | 500 N |
| Maximum tensile load, long term | 300 N |
| Min. Bending radius, unloaded | 20 mm |
| Min. Bending radius, loaded | 40 mm |
| Temperature range (operation) | -5°C to +60°C |