tBL® - FO Splice box 19'' 1U SM 24x LC Duplex OS2, splice ready prepared

\*\*tBL® - tde Basic Link (FO Enclosures)

The FO enclosures of the tBL® - tde Basic Link series are optimized products with a high functionality and an easy handling at the installation. The program includes splice and breakout boxes for 19 inch, wall and DIN rail mounting. These products are characterized by a high port density and an optimal fiber management, so that the permissible bending radii can't be undercut. Moreover, there are no sharp corners or edges, to avoid damage to the pigtails and buffer tubes. The front plates are removable. There are versions for E2000, FC, PC, LC, MPO / MTP, MTRJ, MU, SC, and ST. These products can be obtained with or without equipment. In addition, there are also special versions with IP66 for outdoor and offshore applications.

\*\*FO Splice Boxes

19'' Splice box with extendable drawer and cover. For up to 24 x FO adapters, 1U 210mm deep. The splice box is optional equipped with colored fiber pigtails and splice ready prepared.

\*\*TECHNISCHE\_DATEN

|  |  |
| --- | --- |
| Pre-mounted | 24 LC duplex adapters SM 48 LC Fiber pigtails 9/125µ OS2 2.0 meters 12 x Colors, splice ready prepared 48 Crimp Splice protectors 4 Splice cassettes 4 Splice holder 1 Splice cover 1 Glands M20 for cable entry 1 set cage nuts and screws (M5) |
| Alternative pre-mounted | TBL-F24-xxLCD9yz (see below) |
| xx | (01 - 24) quantity of adapters |
| y | (S)plice ready prepared |
| z | With(O)ut Crimp Splice protectors |

\*\*\*FO Splice Boxes

|  |  |
| --- | --- |
| Housing | Sheet steel, extendable drawer, front panel removable |
| Color | RAL 7035 |
| Cable entry | On the back: Each over 2x metric cable glands (left and right) |
| Dimensions | 19'' 1U 210mm depth |

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| --- | --- |
| Front panel color | RAL 7035 light grey matt |
| Labeling | 1 - 24 silk screen |
| Configuration | Attachment up to 24x SC Simplex, LC Duplex, E2000 Simplex or MPO adapter |

\*\*\*FO Adapters

|  |  |
| --- | --- |
| Type | LC Duplex (translucent dust covers) |
| Application | Singlemode OS2 PC |
| Design | One-Piece with Flange |
| Connector style | SC Simplex |
| Color | Blue |
| Material | Plastic |
| Sleeve | Zirkonia Staight Split |
| Shutter | - |
| Manufacturer | tde |

\*\*\*FO Connectors

|  |  |
| --- | --- |
| Connector Type | LC PC Unibody Simplex |
| Housing | Plastic, Blue |
| 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 |

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| --- | --- | --- | --- | --- | --- |
| Fiber | Type | Wavelength | Insertion loss typ. | Insertion loss max. | Return loss min. |
| 9/125µ | LC | 1550 nm | ≤ 0.20 dB | 0.45 dB | 45 dB |

\*\*\*FO Cables

|  |  |
| --- | --- |
| Tight Buffer | Low smoke (IEC 61034 and EN 50268) and free of halogens (LS0H) |
|   | Non corrosive after IEC 60754-2 and EN 50267 |
|   | Flame resistent after IEC 60332-3C and EN 50266-2-4 |
|   | Completly dry design |
|   | Free from metal, no grounding problems and potential differences |
|   | Tight Buffer for simple and direct connector mounting |

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| --- | --- |
| Fiber Count | 1 (Tight Buffer) |
| Core-Ø | 0.9 mm |
| Coreweight | 1 kg/km |
| Min. Bending radius - Installation | 30 mm |
| Min. Bending radius - Operation | 30 mm |
| Removal | 1500 mm |
| Fire load | 0.15 MJ/m |
| Temperature range - Installation | -5 to +50°C |
| Temperature range - Operation | -20 to +60°C |
| Temperature range - Transport / Lagerung | -25 to +70°C |

\*\*\*FO Splice Accessories

|  |  |
| --- | --- |
| Type | Splice cassette |
| Dimensions | 155 x 92 x 8 mm |
| Material | Bright ABS, similar RAL 1013 |

\*\*\*FO Splice Accessories

|  |  |
| --- | --- |
| Type | FO Splice holder for 12 x Crimp splice protectors |
| Dimensions | 40 x 26 x 6 mm |
| Material | Bright ABS, similar RAL 1013 |

\*\*\*FO Splice Accessories

|  |  |
| --- | --- |
| Type | Crimp splice protector |
| Dimensions | 31 x 3 x 1 mm |

\*\*\*FO Splice Accessories

|  |  |
| --- | --- |
| Type | Cassette cover long |
| Dimensions | 155 x 92 x 2 mm |
| Material | Bright ABS, similar RAL 1013 |

|  |  |
| --- | --- |
| Type | Cable tie |
| Dimensions | 75 x 2.5 mm |

|  |  |
| --- | --- |
| Type | Locknut for cable gland M20 |
| Color | light grey |

|  |  |
| --- | --- |
| Type | Cable gland M20 |
| Color | light grey |

|  |  |
| --- | --- |
| Type | Mounting set M5 |
|   | Set of 4 (cage nuts and screws) |