tBL® - FO Splice box 19'' 1U MM 12x SC Duplex OM1, 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 | 12 SC duplex adapters MM 24 SC Fiber pigtails 62.5/125µ OM1 2.0 meters 12 x Colors, splice ready prepared 24 Crimp Splice protectors 2 Splice cassettes 2 Splice holder 1 Splice cover 1 Glands M20 for cable entry 1 set cage nuts and screws (M5) |
| Alternative pre-mounted | TBL-F24-xxSCD62yz (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 |

|  |  |
| --- | --- |
| Color | RAL 7035 light grey matt |
| Labeling | 1 - 24 silk screen |
| Configuration | Attachment up to 24x SC Duplex or LC Quad adapter |

\*\*\*FO Adapters

|  |  |
| --- | --- |
| Type | SC Duplex |
| Application | Multimode OM2/OM1 |
| Design | One-Piece with flange |
| Connector style | SC Duplex |
| Color | Beige |
| Material | Plastic |
| Sleeve | Zirconia Straight Split |
| Shutter | -- |
| Manufacturer | tde |

\*\*\*FO Connectors

|  |  |
| --- | --- |
| Connector Type | SC Simplex |
| Housing | Plastic, Beige |
| Ferrule | Zirconia Straight Split, Spring-loaded Axially |
| Ferrule Hole | 126 µ |
| Mating Cycles | 1.000 |
| Operating Temperature | -40°C up to +75°C |
| Strain Relief to | 150 N |
| Manufacturer | tde |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fiber | Type | Wavelength | Insertion loss typ. | Insertion loss max. | Return loss min. |
| 50/125µ OM2 | SC | 850 nm | ≤ 0.25 dB | 0.45 dB | 30 dB |
| 62.5/125µ OM1 | SC | 850 nm | ≤ 0.25 dB | 0.45 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 | FO Blind stopper |
| Application | For covering of unused adapter slots |

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