tDF® - FO Premium splice to patch module 12x SC PC simplex SM 3U/7HP with pigtails 9/125µ

\*\*tDF® - tde Distribution Frame (ODF)

tDF® is a modular Central Office solution with the highest packing density. At 46U, up to 4032 fibers can be terminated with LC. In developing the tde has taken primarily attention on the user-friendly installation. So the patented modules are fully be fitted from the front. A 19-inch sub rack occupies three height units and is equipped with twelve splice modules. Per sub rack, up to 288 fibers can be terminated with LC. The splices will be stored in standard splice cassettes. A unique feature of the splice module is the built-in loose tube over length management, which compared to conventional solutions saves  an additional rack unit for the over length  tray. The trunk cables are brought to the sub rack side and splitted there. This results in very short stripping lengths for the trunk cables. Due to the tML® compatibility  also MPO/MTP® modules can be equipped in the same sub rack. The modular design of  the tDF rack system offers maximum flexibility. The racks can be ordered customized completely preconfigured.

\*\*tDF® - FO Splice Modules Premium

\*\*TECHNISCHE\_DATEN

|  |  |
| --- | --- |
| Dimensions | 3U/7HP |
| Pre-mounted | 12 SC PC adapters 12 SC PC Fiber pigtails 9/125µ OS2 12 Crimp Splice protectors 1 Splice cassettes 1 Splice holder 1 Splice cover 1,6m Flex tube |
| Alternative pre-mounted | TDF-M12-xxSC09PS |
| xx | (01 - 12) quantity of adapters |

|  |  |
| --- | --- |
| Type | Front panel for 12 x SC Simplex |
| Color | Anodized E6 EV1 |
| Inscription | 1 - 12 Screen printing by label strips |
| Mateial | Alu- AlMG3 G22 |
| Dimensions | 3U/7HP |

|  |  |
| --- | --- |
| Type | Module slot for rack  84 HP |
| Dimensions | app. 230 x 129 x 32mm |

\*\*\*FO Adapters

|  |  |
| --- | --- |
| Type | SC Simplex |
| Application | Singlemode OS2 PC |
| Design | with flange |
| Connector style | SC Simplex |
| Color | Blue |
| Material | Plastik |
| Sleeve | Zirkonia Staight Split |
| Shutter | -- |
| Manufacturer | tde |

\*\*\*FO Connectors

|  |  |
| --- | --- |
| Connector Type | SC UPC 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 | 150 N |
| Manufacturer | tde |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fiber | Type | Wavelength | Insertion loss typ. | Insertion loss max. | Return loss min. |
| 9/125µ OS2 | SC UPC | 1550 nm | ≤ 0.10 dB | 0.25 dB | 55 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 |

|  |  |
| --- | --- |
| 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 |