tBG2 - FO splice module 6x SC duplex MM 3U/7HP with pigtails 50/125µ OM4

\*\*tBG II - tde Subrack

The newest generation of tde - Subracks is developed especially for the application by loose tube cables with high fiber counts. Up to 288 fibers can be distributed to 12 splice modules. Alternative up to 12 tML® modules. By the application deep-adjustable 84HP Subrack with 7HP-grid is a simple module mounting possible. The modules are fixed by screws. Cable over lengths are accommodated certainly in a cable tray. The cable tray is removable. The cable entry is on the left and right back side. On the front side is a patch cord management panel with 5 rings integrated.

tBG II - tde subrack 19“/4U is for the equip of up to 12 x tBG II - splice modules 3U/7HP with high component density.

\*\*FO splice module standard

The tBG II – FO splice module 3U/7HP is intended for the installation in tBG II - subracks (for 12x modules).

Features:

• Available for all standard FO connectors: E2000, FC/PC, LC, SC and ST
• Integrated loose tube strain relief
• Module mounting with screws

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| --- | --- |
| Pre-mounted | 6 SC duplex adapters 12 SC Fiber pigtails 50/125µ OM4 12 Crimp Splice protectors 1 Splice cassettes 1 Splice holder 1 Splice cover |
| Alternative pre-mounted | TBG2-M06-xxSCD50-4S |
| xx | (01 - 06) quantity of adapters |

|  |  |
| --- | --- |
| Type | Front panel for 6 x SC Duplex |
| Color | Anodized E6 EV1 |
| Inscription | 1 - 12 Screen printing by label strips |
| Mateial | Alu- AlMG3 G22 |
| Dimensions | 3U/7HP |

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| --- | --- |
| Type | Module slot for rack 3U/84HP |
| Dimensions | app. 250 x 100 mm |

\*\*\*FO Adapters

|  |  |
| --- | --- |
| Type | SC Duplex |
| Application | Multimode OM4 |
| Design | One-Piece with flange |
| Connector style | SC Duplex |
| Color | Magenta |
| Material | Plastic |
| Sleeve | Zirconia Straight Split |
| Shutter | -- |
| Manufacturer | tde |

\*\*\*FO Connectors

|  |  |
| --- | --- |
| Connector Type | SC Simplex |
| Housing | Plastic, Magenta |
| Ferrule | Zirconia Straight Split, Spring-loaded Axially |
| Ferrule Hole | 127 µm |
| Mating Cycles | 1.000 |
| Operating Temperature | -40°C up to +75°C |
| Strain Relief to | 150 N |
| Manufacturer | tde |

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| --- | --- | --- | --- | --- | --- |
| Fiber | Type | Wavelength | Insertion loss typ. | Insertion loss max. | Return loss min. |
| 50/125µ OM4 | SC | 850 nm | ≤ 0.25 dB | 0.45 dB | 30 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 |