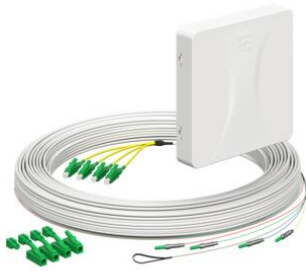


## E3S Connect® (FO-SC) subscriber connection, surface-mounting with E3S fibre



### E3S Connect® (FO-SC) subscriber connection, surface-mounting, 4xF, LC/APC DX, L=25m, HTP

- Scope of delivery: FO subscriber connection, LC-APC coupling and pre-assembled E3S Connect® fibre optic cable

|                                             |                                                                                  |
|---------------------------------------------|----------------------------------------------------------------------------------|
| <b>Article no:</b>                          | <b>4252042</b>                                                                   |
| EAN:                                        | 4013456580374                                                                    |
| Cable length                                | 25 m                                                                             |
| Number of fibers                            | 4                                                                                |
| Certificate                                 | GHMT Channel Link (z7385b-22 ; c7385b-22)                                        |
| Length                                      | 85 mm                                                                            |
| Width                                       | 85 mm                                                                            |
| Height                                      | 16 mm                                                                            |
| Network level                               | 4                                                                                |
| Installation type                           | Surface-mounted on the wall / or on a flush-mounted box / multimedia distributor |
| Protection class                            | IP20                                                                             |
| Impact resistance                           | IK07                                                                             |
| Number of splice trays                      | 1                                                                                |
| Halogen-free                                | Yes                                                                              |
| Loop length (splice tray)                   | 180                                                                              |
| Bending radius (splice tray)                | 25 mm                                                                            |
| Number of cable entries                     | 3                                                                                |
| Cable entry Ø                               | 2,3 - 5,3 mm                                                                     |
| Temperature range storage                   | -10 °C / +60 °C                                                                  |
| Temperature range installation              | -10 °C / +60 °C                                                                  |
| Temperature range during operation          | -20 °C / +60 °C                                                                  |
| Coupler   LC/APC Duplex                     | with flange, SC Simplex footprint                                                |
| Coupler   Amount                            | 2                                                                                |
| Coupler   Sleeve material                   | Ceramic, slotted                                                                 |
| Coupler   Housing material                  | plastic, halogen-free, flame-retardant                                           |
| Coupler   Laser and dust protection         | Integrated protection cap, blind plug                                            |
| Coupler   Insertion Loss                    | ≤ 0,20 dB                                                                        |
| Coupler   Mating cycles                     | 1000                                                                             |
| Fibre optic line   Fibre optic class        | Single Mode OS2 (G.657.A2)                                                       |
| Fibre optic line   Fibre optic type         | Single Mode Optical Fibre                                                        |
| Fibre optic line   Fibre optic color coding | 4-fibres: 1=red, 2=green, 3=blue, 4=yellow                                       |
| Fibre optic line   Stranding element        | Aramid Garn, 2x zentrale Festigkeitsselemente                                    |
| Fibre optic line   Material                 | LSZH, IEC 60332-1/-2                                                             |
| Fibre optic line   ConstructionVo           | B2ca according to EN50575:2014 + A1:2016                                         |
| Fibre optic line   Coat strength            | 2,00 x 2,40 mm                                                                   |
| Fibre optic line   Cable Ø                  | 2,00 x 2,40 mm                                                                   |
| Fibre optic line   Cable labeling           | KAISER FTTH E3S Connect System Cable / 2E9/125 G657A2 CPR B2ca DOP 12013034      |
| Fibre optic line   Minimum bend radius      | 40 mm (Installation), 10 mm (Permanent)                                          |
| Fibre optic line   Traction                 | 250 N (Installation), 100 N (Permanent)                                          |
| Fibre optic line   Compressive strength     | 1000 N / 10 cm                                                                   |

|                                                       |                                                     |
|-------------------------------------------------------|-----------------------------------------------------|
| Fibre optic line   Temperature range storage          | -40 °C / +85 °C                                     |
| Fibre optic line   Temperature range installation     | -20 °C / +60 °C                                     |
| Fibre optic line   Temperature range during operation | -40 °C / +80 °C                                     |
| Connector   Connection to the FO-SC                   | E3S – LC/APC                                        |
| Connector   Whip length on FO-SC                      | approx. 50 cm connector stepped                     |
| Connector   Connection to the HTP                     | Standard LC/APC                                     |
| Connector   Whip length on HTP                        | approx. 7 cm connector of equal length, not stepped |
| Connector   Material                                  | plastic, halogen-free, flame-retardant              |
| Connector   Insertion Loss                            | ≥ 0.12dB Ø - ≤ 0.25dB Max. (Grade B)                |
| Connector   Return Loss                               | ≥ 60 dB (Grade B)                                   |
| Stecker   Steckzyklen                                 | 1000                                                |
| Connector   Ferrule                                   | Ø 1,25 mm, Ceramic, axial spring-loaded             |
| Connector   Strain relief                             | ≥ 100 N                                             |
| Connector   Laser- and dust protection                | Blind plug                                          |
| Connector   Standard (type specification)             | IEC 61754-20                                        |
| Connector   Temperature range storage                 | -40 °C / +85 °C                                     |
| Connector   Temperature range installation            | -20 °C / +60 °C                                     |
| Connector   Temperature range during operation        | -40 °C / +80 °C                                     |
| Dispatch                                              | 10                                                  |

The fibre-optic subscriber connection forms the termination point for fibre-optic cables in the home. The innovative and splice-free E3S Connect® system enables simple, fast expansion of the FTTH concept. The pre-assembled cables with E3S Connect® – LC/APC connectors can also be blown in, pulled in and pushed in. A handy roll-off box with different cable lengths enables precise planning and easy installation.

- Compact fibre-optic subscriber connection
- Dimensions: 85x85x16 mm (LxWxH)
- Colour similar to RAL9003 signal white
- with pre-assembled E3S fibre-optic cable in lengths of 10 - 100 m – other lengths available on request
- Available with 2 or 4 fibres
- High-quality fibre-optic cable G.657.A2 and BauPVo B2ca
- Cable retractable, insertable and blowable
- Pre-assembled cable is delivered in a handy unwinding box
- Subscriber connection enclosed

