

## Product datasheet:

### E3S Connect® (FO-SC) subscriber connection, flush-mounting, 2xF, LC/APC QD, L=25m, HTP

#### E3S Connect® (FO-SC) subscriber connection, flush-mounting with E3S fibre-optic cable for connection to the house transfer point (HTP)

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

Flush-mounting with E3S Connect® - fibre optic cable for connection to the house transfer point (HÜP / Gf-AP)

Innovative fibre optic subscriber connection with a maximum installation depth of 32 mm for exact flush-mounting in all standard one-gang junction boxes. The robust metal support ring with alignment markings allows for convenient installation with screw fastenings.

Perfect fibre storage management thanks to a rotatable and removable storage drum on the rear. Includes holder for up to 4 crimp splice connections.

Equipped with 1x LC/APC quad coupling including shutter and dust cover.

Design compatibility with all common switch manufacturers with standardised TAE cover.

The subscriber connection is delivered with a pre-assembled, high-quality (G.657.A2) E3S Connect® fibre optic cable in a handy roll-off box, which also meets fire protection class B2ca, s1a, d0, a1 (BauPVo).

The fibre optic cable is also pre-assembled with special E3S Connect® – LC/APC connectors per fibre, which allow it to be pulled, blown or pushed into micro-tubes with a minimum diameter of 7 mm.



Assembly instructions



Planning data

#### Subscriber connection features:

Network level: Building network NE4

Installation type: Flush-mounting

Protection class: IP20

Impact resistance IK07

Number of fibres: 4

Number of splice cassettes: 1

Halogen-free: Yes

Loop length (splice cassette): 180 mm

Bending radius (splice cassette): R = 25 mm

Splice protection holder: CSS crimp / mini heat-shrink tubing

Number of cable entries: 1x

Cable routing: Rear (drum)

Storage temperature range: -10 °C / +60 °C

Installation temperature range: -10 °C / +60 °C

Temperature range in use: -20 °C / +60 °C

#### Coupling properties:

LC/APC quad coupling with flange, SC simplex footprint

Number of couplings: 1

Sleeve material: Ceramic, slotted

Housing material: Plastic, halogen-free, flame-retardant

Laser and dust protection: Integrated protective flap, blind plug

Insertion loss: ≤ 0.20 dB

Mating cycles: 1,000

#### Fibre optic cable properties

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Fibre class: Single Mode OS2 (G.657.A2)  
Fibre type: Fibre-BrightCore® Single Mode Optical Fibre  
Fibre colour coding: 2 fibres: 1=red, 2=green  
Stranding element: Aramid yarn, 2x central strength members  
Material: LSZH, IEC 60332-1/-2 BauPVo B2ca, s1a, d0, a1 in accordance with EN50575:2014 + A1:2016  
Sheath thickness: 2.00 – 2.40 mm  
Cable Ø: 2.00 – 2.40 mm  
Cable labelling: KAISER FTTH E3S Connect System Cable 2E9/125 G657A2 CPR B2ca DOP 12013034  
Minimum bending radius: 40 mm (installation) // 10 mm (permanent)  
Tensile force: 250 N (installation) // 100 N (permanent)  
Compressive strength: 1000 N / 10 cm  
Storage temperature range: -40°C / +85°C  
Temperature range for installation: -20°C / +60°C  
Temperature range for use: -40°C / +80°C  
Cable length: 25 m

### E3S connector properties

Connection to Gf-TA: E3S Connect® – LC/APC  
Whip length on Gf-TA: approx. 50 cm Stepped connector  
Connection to HÜP/Gf-AP: Standard LC/APC  
Whip length on HÜP/Gf-AP: approx. 7 cm Connector of equal length, not stepped  
Material: Plastic, halogen-free, flame-retardant  
Insertion loss:  $\geq 0.12$  dB Ø -  $\leq 0.25$  dB max. (Grade B)  
Return loss:  $\geq 70$  dB (Grade B)  
Mating cycles: 1,000  
Ferrule Ø: 1.25 mm, ceramic, axially spring-loaded  
Strain relief:  $\geq 100$  N  
Laser and dust protection: Blind plug  
Standard (design specification): IEC 61754-20  
Storage temperature range: -40°C / +85°C  
Installation temperature range: -20°C / +60°C  
Operating temperature range: -40°C / +80°C

### Article number: 4250022

|                     |               |
|---------------------|---------------|
| EAN:                | 4013456580657 |
| Packaging quantity: | 10            |
| Price group:        | 730           |

### Safety / Properties

|               |     |
|---------------|-----|
| Halogen-free: | Yes |
|---------------|-----|

### Features

|                           |                            |
|---------------------------|----------------------------|
| Network level:            | 4                          |
| Fibre class:              | Single Mode OS2 (G.657.A2) |
| Fibre type:               | Single Mode Optical Fibre  |
| Cable/line length:        | 25 m                       |
| Splice cassette quantity: | 1                          |
| Number of fibres (max.):  | 2                          |
| Fibre colour coding:      | 2-fibres: 1=red, 2=green   |

# Product datasheet:

## Approvals / Certifications

|                   |                                           |
|-------------------|-------------------------------------------|
| BauPVo:           | B2ca according to EN 50575:2014 + A1:2016 |
| Protection class: | IP20                                      |

## Storage / Installation / Operation

|                                   |        |
|-----------------------------------|--------|
| Minimum storage temperature:      | -10 °C |
| Maximum storage temperature:      | 60 °C  |
| Minimum installation temperature: | -10 °C |
| Installation temperature max.:    | 60 °C  |
| Minimum operating temperature:    | -20 °C |
| Maximum operating temperature:    | 60 °C  |

Innovative fibre-optic subscriber connection with an installation depth of max. 32 mm for precise flush-mounting installation in all common one-gang junction boxes. The robust metal support ring with alignment markings allows convenient mounting with screw fasteners. Perfect fibre deposit management through a rotatable and removable deposit drum on the back. Equipped with 1x LC/APC Quad coupling including shutter and dust protection. Design compatibility with all common switch manufacturers with a standardised TAE cover.

- Design-compatible with all common TAE covers
- Installation in all KAISER one-gang junction boxes
- Overlength management
- 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