

## Product datasheet:

### E3S Connect® (FO-SC) subscriber connection, flush-mounting, 4xF, LC/APC QD, L=15m, FO-BD

#### E3S Connect® (FO-SC) subscriber connection, flush-mounting with E3S fibre-optic cable for connection to the building distributor (FO-BD)

· 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 fibre optic building distributor (Gf-GV)

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

Operating temperature range: -20 °C / +60 °C

Coupling properties:

LC/APC quad coupling with flange, SC simplex footprint

Number of couplings: 1

Sleeve: ceramic material, 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

Fibre class: Single mode OS2 (G.657.A2)

## Product datasheet:

Fibre type: Fibre-BrightCore® single mode optical fibre  
 Fibre colour coding: 4 fibres: 1=red, 2=green, 3=blue, 4=yellow  
 Stranding element: Aramid yarn, 2x central strength members  
 Material: LSZH, IEC 60332-1/-2BauPVo B2ca-S1 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: 15 m

### Features of E3S connector

Connection to Gf-TA: E3S Connect® – LC/APC  
 Whip length on Gf-TA: approx. 50 cm Stepped connector  
 Connection to Gf-GV: E3S Connect® – LC/APC  
 Whip length on Gf-GV: approx. 100 cm Stepped connector  
 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

|                        |                  |
|------------------------|------------------|
| <b>Article number:</b> | <b>⇒ 4250035</b> |
| EAN:                   | 4013456580558    |
| 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:        | 15 m                                       |
| Splice cassette quantity: | 1                                          |
| Number of fibres (max.):  | 4                                          |
| Fibre colour coding:      | 4-fibres: 1=red, 2=green, 3=blue, 4=yellow |

### Approvals / Certifications

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

# Product datasheet:

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