

Product datasheet:

E3S Connect® (FO-SC) subscriber connection, flush-mounting, 2xF, LC/APC QD, L=20m, 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 covers.

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.

Subscriber connection features:

Network level: Building network NE4

Installation type: Flush-mounting

Protection class: IP20

Impact resistance: IK07

Number of fibres: 2

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: 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)



Assembly instructions



Planning data

Product datasheet:

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/-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: 20 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: ≥ 0.12 dB Ø - ≤ 0.25 dB max. (Grade B)
Return loss: ≥ 70 dB (Grade B)
Mating cycles: 1,000
Ferrule Ø: 1.25 mm, ceramic, axially spring-loaded
Strain relief: ≥ 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:	↗ 4250031
EAN:	4013456580695
Packaging quantity:	10
Price group:	730

Safety / Properties

Halogen-free:	Yes
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Features

Network level:	4
Fibre class:	Single Mode OS2 (G.657.A2)
Fibre type:	Single Mode Optical Fibre
Cable/line length:	20 m
Splice cassette quantity:	1
Number of fibres (max.):	2
Fibre colour coding:	2-fibres: 1=red, 2=green

Approvals / Certifications

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