

Product datasheet:

E3S Connect® (FO-SC) subscriber connection, surface-mounting, 4xF, LC/APC DX, L=20m, FO-BD

E3S Connect® (FO-SC) subscriber connection, surface-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



Surface mounting with E3S Connect® - fibre optic cable for connection to the fibre optic building distributor (Gf-GV)

Compact fibre optic subscriber connection in glossy signal white for surface mounting. Can be installed directly on the wall or on a flush-mounted device box using electric screws. Suitable for cable entries from the bottom and from the rear with integrated strain relief. Equipped with 2x LC/APC duplex couplings including shutter and dust cover. Additional LC/APC duplex and SC/APC simplex couplings can be used, which can be inserted in two different height positions.

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, d1, 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 conduits with a minimum diameter of 7 mm.

Subscriber connection properties:

Network level: Building network NE4

Installation type: Surface-mounted on the wall / or on an installation box / multimedia distributor

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

Number of cable entries: 3x

Cable entry Ø: 2.3 – 5.3 mm

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 duplex coupling: With flange, SC simplex footprint

Number of couplings: 2

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

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

Fibre type: Fiber-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/-2

BauPVo 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)



Assembly instructions



Planning data

Product datasheet:

Compressive strength: 1000 N / 10 cm
 Storage temperature range: -40°C / +85°C
 Installation temperature range: -20°C / +60°C
 Operating temperature range: -40°C / +80°C
 Cable length: 20 m
 E3S connector properties
 Connection on Gf-TA: E3S Connect® – LC/APC
 Pigtail length on Gf-TA: approx. 50 cm Stepped connector
 Connection on Gf-GV: E3S Connect® – LC/APC
 Pigtail length on Gf-GV: approx. 100 cm Stepped connector
 Material: Plastic, halogen-free, flame-retardant
 Insertion loss: $\geq 0.12\text{dB } \emptyset - \leq 0.25\text{dB Max. (Grade B)}$
 Return loss: $\geq 70\text{ dB (Grade B)}$
 Mating cycles: 1,000
 Ferrule $\emptyset$: 1.25 mm, ceramic, axially spring-loaded
 Strain relief: $\geq 100\text{ N}$
 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:  **4252051**

EAN: 4013456580367

Packaging quantity: 10

Price group: 730

Dimensions / Form

Product length: 85 mm

Product width: 85 mm

Product depth: 16 mm

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: 20 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

Protection class: IP20

Storage / Installation / Operation

Minimum storage temperature: -10 °C

Product datasheet:

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

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