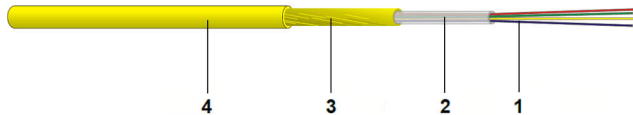


FO Indoor FTTH / I-M(ZN)H

2.2 mm, LS0H, Euroclass Cca

Coating buffer, flame retardant
in accordance with IEC 60794-2-20



- 1 Fibres
- 2 Coating buffer
- 3 Aramid yarn
- 4 FR/LS0H sheath



Description

Easy to handle fibre optic cable with 4 optical fibres.
Very small outer diameter (2.2 mm) due to innovative coating buffer.
Flame retardant halogen-free FR/LS0H sheath. Very low fire load.
Robust sheath for easy installation into tube systems occupied by other cables.

Application

Indoor cabling for Fibre to the Home (FTTH) applications.
Indoor cabling for data network and building automation applications.
Connection cable between building entry point (BEP) and FO data outlet.
Suitable for laying in cable trays, ducts and vertical shafts.
Can be spliced in wall mounted distribution boxes and in FO data outlets.

Construction

Outer sheath material FRNC/LSZH

General Properties

| | |
|--------------------------|--|
| Imprint | DATWYLER «cable type» «Datwyler designation» «no. of fibres» «fibre type» «add. text» «batch no.» «meter marks» |
| Installation temperature | -10 °C - +50 °C |
| Operating temperature | -20 °C - +60 °C |
| Storage temperature | -20 °C - +60 °C |

Mechanical properties

Minimum number of impacts IEC 60794-1-21 E4

Standards

| | |
|---------------------------------|---|
| Tensile performance | IEC 60794-1-21 E1 |
| Crush resistance | IEC 60794-1-21 E3A |
| Impact | IEC 60794-1-21 E4 |
| Repeated bending | IEC 60794-1-21 E6 |
| Torsion | IEC 60794-1-21 E7 |
| Reaction to fire (Euroclasses) | EN 13501-6 |
| Zero halogen no corrosive gases | IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2 |
| Flame Propagation | IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2 |
| Smoke Density | IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2 |

Versions

| Material number | Product | Reaction To Fire | Outer sheath colour | Fibre type | Outer sheath diameter [mm] | Bending radius [mm] | Weight [kg/km] | Tensile load [N] | Crush resistance short term [N] | Fire load [kWh/m] | Packing unit |
|-----------------|------------------------|------------------|---------------------|--------------------|----------------------------|---------------------|----------------|------------------|---------------------------------|-------------------|--------------|
| 19455000CZ | FO Indoor FTTH 2,2,1x4 | Cca-s1a,d1,a1 | yellow | E9/125 G.652.D BLO | 2.2 | 25 | 6 | 400 | 500 | 0.023 | by the metre |

Subject to technical modification

As of 2020-11-06 13:44:41