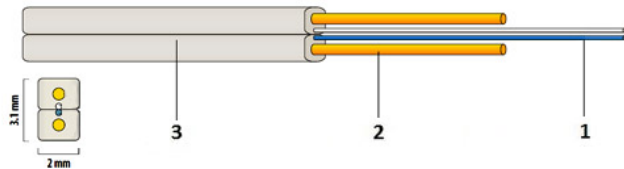


## FO Indoor Duplex / I-V(ZN)H

2 x 3.1 mm, LS0H

flame retardant - IEC 60332.1

in accordance with IEC 60794-2-20



- 1 Optical fibre
- 2 Strength member
- 3 LS0H sheath



### Description

Flexible fibre optic Duplex cable with strength elements, based on 2 single-fibre cables.  
 Special low-bend-sensitivity fibre provides a high bandwidth and excellent transmission properties.  
 Easy handling and easy to strip off due to the novel flute design.  
 Flame retardant halogen-free LS0H sheath.  
 Very low fire load.

### Application

Fibre to the Home (FTTH) indoor cabling.  
 In residential and commercial buildings.  
 Indoor cabling solutions for data network and building automation applications.  
 Connection cable between building entry point (BEP) and fibre optic data outlet.  
 Suitable for laying in ducts and vertical shafts.  
 For splicing in wall mounted distribution boxes and in fibre optic data outlets.

### Construction

Outer sheath material	FRNC/LSZH
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### General Properties

Imprint	DATWYLER «cable type» «Datwyler designation» «DIN designation» «no. of fibres» «fibre type» «add. text» «batch no.» «meter marks»
Installation temperature	-10 °C - +50 °C
Operating temperature	-25 °C - +70 °C
Storage temperature	-20 °C - +60 °C

### Mechanical properties

Minimum number of impacts	IEC 60794-1-21 E4
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## Standards

Crush resistance	IEC 60794-1-21 E1
Impact	IEC 60794-1-21 E3
Repeated bending	IEC 60794-1-21 E4
Torsion	IEC 60794-1-21 E6
Bend	IEC 60794-1-21 E7
Water penetration	IEC 60794-1-21 E11
Reaction to fire (Euroclasses)	not classified
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	Outer sheath colour	Fibre type	Outer sheath dimensions [mm]	Weight [kg/km]	Tensile load [N]	Crush resistance short term [N]	Crush resistance continuous [N]
231000	FO Indoor Duplex / I-V(ZN)H	ivory	E9/125 G.652.D OS2	2 x 3.1	10	60	1,000	300
231002	FO Indoor Duplex / I-V(ZN)H	ivory	E9/125 G.657.A1 OS2	2 x 3.1	10	60	1,000	300

Subject to technical modification

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