

**FIBRE OPTIC INDOOR CABLES**

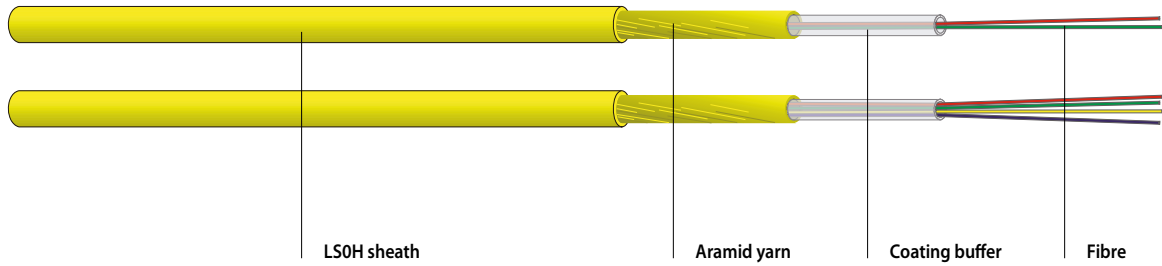
**FO Indoor FTTH / I-M(ZN)H**

2.2 mm, LSOH

Coating buffer

flame retardant - IEC 60332.1

in accordance with IEC 60794-2-20



**PRODUCT INFORMATION**



**FEATURES**

Easy handling fibre optic cable with 2 or 4 optical fibres.  
 Very small outer diameter (2.2 mm) due to innovative coating buffer.  
 Flame retardant halogen-free LSOH 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.

**OPTICAL CHARACTERISTICS**

The cables are available with the ITU G.657.A1 optical fibre.

**MECHANICAL CHARACTERISTICS**

Temperature range in operation: -20 / +60°C IEC 60794-1-2 F1  
 Tensile performance: IEC 60794-1-2 E1  
 Crush resistance: IEC 60794-1-2 E3  
 Impact: IEC 60794-1-2 E4  
 Repeated bending: IEC 60794-1-2 E6  
 Torsion: IEC 60794-1-2 E7  
 Bend: IEC 60794-1-2 E11

**GENERAL CHARACTERISTICS**

Sheath colour: yellow, RAL 1021  
 Imprint: DATWYLER «cable type» «Datwyler designation» «DIN designation»  
 «no. of fibres» «fibre type» «add. text» «batch no.» «meter marks»

- Zero halogen, non corrosive gases IEC 60754-1/-2, EN 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2
- Flame retardant IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
- Minimum smoke emission IEC 61034-1/-2, EN 61034-1/-2 (EN 50268-1/-2), VDE 0482-1034-1/-2 (VDE 0482-268-1/-2)

Description	Sheath Ø	Weight	Bending radius	Tensile load	Crush resistance	Fire load
I-M(ZN)H	mm	kg/km	mm	N	short term N	kWh/km
FO Indoor FTTH 2.2, LSOH 1 x 2	2.2	4.0	25	400	500	23
FO Indoor FTTH 2.2, LSOH 1 x 4	2.2	4.0	25	400	500	23

**VERSIONS**

I-M(ZN)H	Fibres	Article No.
Description	number	ITU G.657 .A1
FO Indoor FTTH 2.2, LSOH 1 x 2	2	191801
FO Indoor FTTH 2.2, LSOH 1 x 4	4	191800

GF-2320 FTTH 2.2 0712/e