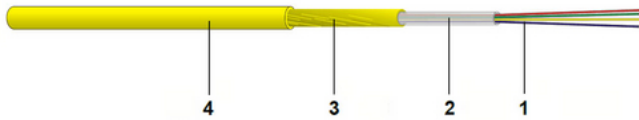


FO Indoor FTTH / I-M(ZN)H

2.2 mm, LS0H, Euroclass Dca
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.

OPTICAL PROPERTIES

The cables are available with different types of optical fibre (see fibre data sheets).

MECHANICAL PROPERTIES

Temperature range	storage:	-20 / +60°C	IEC 60794-1-21 F1
	during draw-in:	-10 / +50°C	
	in operation:	-20 / +60°C	
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		

GENERAL PROPERTIES

Sheath colour: yellow, similar to RAL 1021

STANDARDS

Reaction to fire (Euroclasses)	EN 13501-6:Dca-s2,d1,a1
Imprint	DATWYLER «cable type» «Datwyler designation» «no. of fibres» «fibre type» «add. text» «batch no.» «meter marks»
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

Article No.	DoP	Product	Reaction to fire (Euroclasses)	Number of fibres	Sheath colour	Fibre type	Sheath Ø [mm]	Weight [kg/km]	Bending radius [mm]	Tensile load [N]	Crush resistance short term [N]	Fire load [kWh/m]	PU
19455000DZ		FO Indoor FTTH 2.2,1x4	Dca-s2,d1,a1	4	yellow	E9/125 G.652.D BLO	2.2	10	25	400 N	500 N	0.023	by the metre