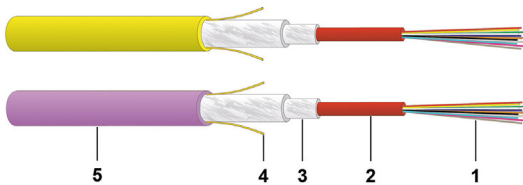


## FO Indoor ZGGFR / J-B(ZN)BH

5.9 mm, up to 12F, LS0H, Euroclass B2ca

metal-free, dry interstices, gel-free loose tube,  
rodent protection, flame retardant



- 1 ≤ 12 fibres
- 2 Loose tube
- 3 Glass armour
- 4 Ripcord
- 5 FR/LS0H sheath



### Description

Robust, non-metallic fibre optic indoor cable with one central loose-tube.  
High crush resistance for high transmission reliability.  
Easy handling due to cable construction with dry interstices and gel-free loose tube.  
Non-metallic rodent protection.  
The two coloured ripcords are easy to identify and enable the safe opening of the cable sheath.  
Flame retardant halogen-free FR/LS0H sheath.

### Application

LAN backbone, access and riser zone.  
Data centre backbone and horizontal cabling.  
Connection cable between the building distributors and/or floor distributors.  
Suitable for laying in dry cable trays, ducts and vertical shafts, also when accessible to rodents.  
Can also be installed on very complex cable trays.

### 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	-25 °C - +70 °C

## Mechanical properties

Minimum number of impacts	IEC 60794-1-21 E4
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## 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]	Tensile load short term [N]	Tensile load continuous [N]	Crush resistance short term [N]	Crush resistance continuous [N]	Fire load [kWh/m]	Packing unit
19603100BZ	FO Indoor 1x4	B2ca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603300BZ	FO Indoor 1x4	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603600BZ	FO Indoor 1x4	B2ca-s1a,d1,a1	heather violet	G50/125 OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19605700BZ	FO Indoor 1x6	B2ca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19605800BZ	FO Indoor 1x6	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19605900BZ	FO Indoor 1x6	B2ca-s1a,d1,a1	heather violet	G50/125 OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603200BZ	FO Indoor 1x8	B2ca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603400BZ	FO Indoor 1x8	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603700BZ	FO Indoor 1x8	B2ca-s1a,d1,a1	heather violet	G50/125 OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19456300BZ	FO Indoor 1x12	B2ca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603500BZ	FO Indoor 1x12	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19597400BZ	FO Indoor 1x12	B2ca-s1a,d1,a1	heather violet	G50/125 OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre