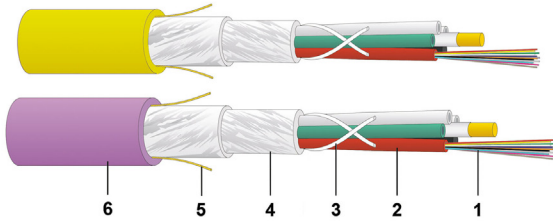


## FO Indoor SZGGFR / J-B(ZN)BH

9.9 - 15.8 mm, up to 144F, LS0H, Euroclass Cca

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



- 1 ≤ 12 fibres
- 2 Loose tube
- 3 Reinforcing helix
- 4 Glass armour
- 5 Ripcord
- 6 FR/LSOH sheath



### Description

Robust, non-metallic fibre optic indoor cable with stranded loose-tubes.  
High crush resistance for high transmission reliability.  
Easy handling due to cable construction with dry interstices and gel-free loose tubes.  
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/LSOH 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
19456400CZ	FO Indoor 2x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	9.9	200	100	8,000	4,100	4,000	1,200	0.164	by the metre
19605300CZ	FO Indoor 2x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	9.9	200	100	8,000	4,100	4,000	1,200	0.164	by the metre
19602500CZ	FO Indoor 2x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	9.9	200	100	8,000	4,100	4,000	1,200	0.164	by the metre
19456600CZ	FO Indoor 4x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	9.9	200	102	8,000	4,100	4,000	1,200	0.164	by the metre
19605400CZ	FO Indoor 4x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	9.9	200	102	8,000	4,100	4,000	1,200	0.164	by the metre
19602600CZ	FO Indoor 4x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	9.9	200	102	8,000	4,100	4,000	1,200	0.164	by the metre
19602900CZ	FO Indoor 8x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	12.9	255	182	8,000	4,100	4,000	1,200	0.271	by the metre
19605500CZ	FO Indoor 8x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	12.9	255	182	8,000	4,100	4,000	1,200	0.271	by the metre
19602700CZ	FO Indoor 8x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	12.9	255	182	8,000	4,100	4,000	1,200	0.271	by the metre
19596800CZ	FO Indoor 12x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	15.8	320	270	8,000	4,100	4,000	1,200	0.349	by the metre
19605600CZ	FO Indoor 12x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	15.8	320	270	8,000	4,100	4,000	1,200	0.349	by the metre
19602800CZ	FO Indoor 12x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	15.8	320	270	8,000	4,100	4,000	1,200	0.349	by the metre