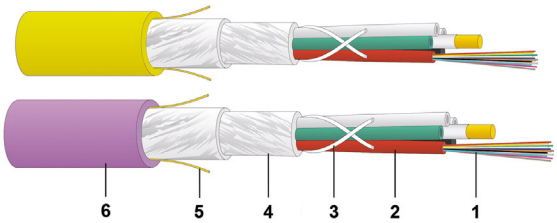
FO Indoor SZGGFR / J-B(ZN)BH

9.9 - 15.8 mm, up to 144F, LS0H, Euroclass B2ca

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/LS0H 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/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

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

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\km]	Tensile load short term [N]	Tensile load continuous [N]	Crush resistance short term [N]	Crush resistance continuous [N]	Fire load [kWh\m]	Packing unit
19456400BZ	FO Indoor 2x12	B2ca-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
19605300BZ	FO Indoor 2x12	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	9.9	200	100	8,000	4,100	4,000	1,200	0.164	by the metre
19602500BZ	FO Indoor 2x12	B2ca-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
19456600BZ	FO Indoor 4x12	B2ca-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
19605400BZ	FO Indoor 4x12	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	9.9	200	102	8,000	4,100	4,000	1,200	0.164	by the metre
19602600BZ	FO Indoor 4x12	B2ca-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
19602900BZ	FO Indoor 8x12	B2ca-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
19605500BZ	FO Indoor 8x12	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	12.9	255	182	8,000	4,100	4,000	1,200	0.271	by the metre
19602700BZ	FO Indoor 8x12	B2ca-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
19596800BZ	FO Indoor 12x12	B2ca-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
19605600BZ	FO Indoor 12x12	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	15.8	320	270	8,000	4,100	4,000	1,200	0.349	by the metre
19602800BZ	FO Indoor 12x12	B2ca-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