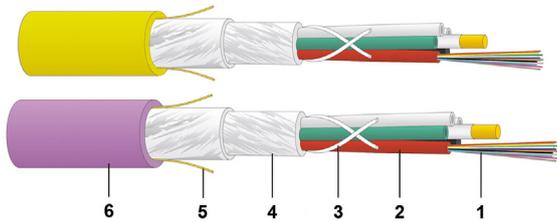


FO Indoor SZGGFR / J-B(ZN)BH, C_{ca}

up to 144 fibres, FRNC/LSZH sheath, Euroclass C_{ca}

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

Maximum number of fibres	144
Standard delivery length [m]	8,000 m
Installation temperature	-10 °C - +50 °C
Storage temperature	-25 °C - +70 °C
Operating temperature	-25 °C - +70 °C
Imprint	DATWYLER FO Indoor SZGGFR / J-B(ZN)BH «No. of fibres» «Fibre type» «Batch no.» MADE IN SWITZERLAND «Receiver wave receiver wave» «Meter marks»
Field of application	Indoor

Standards

Tensile performance	IEC 60794-1-21 E1
Crush resistance	IEC 60794-1-21 E3
Impact	IEC 60794-1-21 E4
Repeated bending	IEC 60794-1-21 E6
Torsion	IEC 60794-1-21 E7
Kink	IEC 60794-1-21 E10
Bend	IEC 60794-1-21 E11
Temperature cycling	IEC 60794-1-22 F1
Reaction to fire	EN 13501-6
Euroclass	C _{ca}
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2
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

Versions

Material number	Product	Reaction to fire	Outer sheath colour	Fibre type	Fibre category	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	GTIN / EAN
19456400CZ	FO Indoor SZGGFR 2x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	9.9	200	100	8,000	4,100	4,000	1,200	0.164	by the metre	
19605300CZ	FO Indoor SZGGFR 2x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	9.9	200	100	8,000	4,100	4,000	1,200	0.164	by the metre	
19602500CZ	FO Indoor SZGGFR 2x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	9.9	200	100	8,000	4,100	4,000	1,200	0.164	by the metre	
19456600CZ	FO Indoor SZGGFR 4x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	9.9	200	102	8,000	4,100	4,000	1,200	0.164	by the metre	
19605400CZ	FO Indoor SZGGFR 4x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	9.9	200	102	8,000	4,100	4,000	1,200	0.164	by the metre	
19602600CZ	FO Indoor SZGGFR 4x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	9.9	200	102	8,000	4,100	4,000	1,200	0.164	by the metre	
19733400CZ	FO Indoor SZGGFR 6x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	10.5	210	114	8,000	4,100	4,000	1,200	0.193	by the metre	
19733500CZ	FO Indoor SZGGFR 6x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	10.5	210	114	8,000	4,100	4,000	1,200	0.193	by the metre	
19733600CZ	FO Indoor SZGGFR 6x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	10.5	210	114	8,000	4,100	4,000	1,200	0.193	by the metre	
19602900CZ	FO Indoor SZGGFR 8x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	12.9	255	182	8,000	4,100	4,000	1,200	0.271	by the metre	
19605500CZ	FO Indoor SZGGFR 8x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	12.9	255	182	8,000	4,100	4,000	1,200	0.271	by the metre	
19602700CZ	FO Indoor SZGGFR 8x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	12.9	255	182	8,000	4,100	4,000	1,200	0.271	by the metre	
19596800CZ	FO Indoor SZGGFR 12x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	15.8	320	270	8,000	4,100	4,000	1,200	0.349	by the metre	
19605600CZ	FO Indoor SZGGFR 12x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	15.8	320	270	8,000	4,100	4,000	1,200	0.349	by the metre	

Material number	Product	Reaction to fire	Outer sheath colour	Fibre type	Fibre category	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	GTIN / EAN
19602800CZ	FO Indoor SZGGFR 12x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	15.8	320	270	8,000	4,100	4,000	1,200	0.349	by the metre	

Subject to technical modification

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