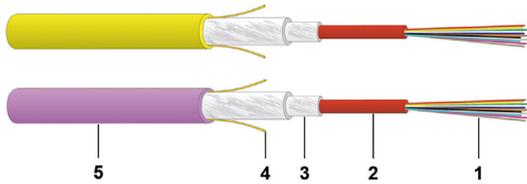


FO Indoor ZGGFR / J-B(ZN)BH, B2_{ca}

up to 12 fibres, FRNC/LSZH sheath, Euroclass B2_{ca}

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/LSOH 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/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	12
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 ZGGFR / 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	B2 _{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
19603100BZ	FO Indoor ZGGFR 1x4	B2ca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19603300BZ	FO Indoor ZGGFR 1x4	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19603600BZ	FO Indoor ZGGFR 1x4	B2ca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19605700BZ	FO Indoor ZGGFR 1x6	B2ca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19605800BZ	FO Indoor ZGGFR 1x6	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19605900BZ	FO Indoor ZGGFR 1x6	B2ca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19603200BZ	FO Indoor ZGGFR 1x8	B2ca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19603400BZ	FO Indoor ZGGFR 1x8	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19603700BZ	FO Indoor ZGGFR 1x8	B2ca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19456300BZ	FO Indoor ZGGFR 1x12	B2ca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19603500BZ	FO Indoor ZGGFR 1x12	B2ca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	
19597400BZ	FO Indoor ZGGFR 1x12	B2ca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre	