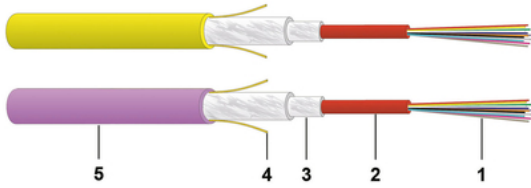


FO Indoor ZGGFR / J-B(ZN)BH

5.9 mm, up to 12F, LS0H, Euroclass Cca
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.

OPTICAL PROPERTIES

The cables are available with different types of optical fibre (see fibre data sheets).

MECHANICAL PROPERTIES

Temperature range	storage:	-25/+70°C	EN 60794-1-22 F1
	during installation:	-10/+50°C	
	in operation:	-25/+60°C	
Tensile strength:	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		

GENERAL PROPERTIES

Sheath colour	G.652.D (BLO) OS2:	yellow
	G50/125 OM3:	turquoise
	G50/125 OM4:	heather violet

STANDARDS

Reaction to fire (Euroclass)	EN 13501-6: C _{ca}
Imprint	DATWYLER «cable type» «Datwyler designation» «DIN designation» «no. of fibres» «fibre type» «add. text» «batch no.» «meter marks»
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

Article No.	DoP	Product	Reaction to fire (Euroclass)	Number of fibres	Loose Tubes	Sheath colour	Fibre type	Sheath Ø [mm]	Weight [kg/km]	Bending radius [mm]	Tensile load continuous [N]	Tensile load short term [N]	Crush resistance continuous [N]	Crush resistance short term [N]	Fire load PU [kWh/m]
19603100CZ	FO	Indoor 1x4	Cca-s1a,d1,a1	4	1	yellow	E9/125 G.652.D BLO	5.9	42	120	1000	3000	1200	4000	0.065 by the metre

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19603300CZ	FO Indoor 1x4	Cca-s1a,d1,a1 4	1	turquoise	G50/125 OM3	5.9	42	120	1000	3000	1200	4000	0.065	by the metre
19603600CZ	FO Indoor 1x4	Cca-s1a,d1,a1 4	1	heather violet	G50/125 OM4	5.9	42	120	1000	3000	1200	4000	0.065	by the metre
19605700CZ	FO Indoor 1x6	Cca-s1a,d1,a1 6	1	yellow	E9/125 G.652.D BLO	5.9	42	120	1000	3000	1200	4000	0.065	by the metre
19605800CZ	FO Indoor 1x6	Cca-s1a,d1,a1 6	1	turquoise	G50/125 OM3	5.9	42	120	1000	3000	1200	4000	0.065	by the metre
19605900CZ	FO Indoor 1x6	Cca-s1a,d1,a1 6	1	heather violet	G50/125 OM4	5.9	42	120	1000	3000	1200	4000	0.065	by the metre
19603200CZ	FO Indoor 1x8	Cca-s1a,d1,a1 8	1	yellow	E9/125 G.652.D BLO	5.9	42	120	1000	3000	1200	4000	0.065	by the metre
19603400CZ	FO Indoor 1x8	Cca-s1a,d1,a1 8	1	turquoise	G50/125 OM3	5.9	42	120	1000	3000	1200	4000	0.065	by the metre
19603700CZ	FO Indoor 1x8	Cca-s1a,d1,a1 8	1	heather violet	G50/125 OM4	5.9	42	120	1000	3000	1200	4000	0.065	by the metre
19456300CZ	FO Indoor 1x12	Cca-s1a,d1,a1 12	1	yellow	E9/125 G.652.D BLO	5.9	42	120	1000	3000	1200	4000	0.065	by the metre
19603500CZ	FO Indoor 1x12	Cca-s1a,d1,a1 12	1	turquoise	G50/125 OM3	5.9	42	120	1000	3000	1200	4000	0.065	by the metre
19597400CZ	FO Indoor 1x12	Cca-s1a,d1,a1 12	1	heather violet	G50/125 OM4	5.9	42	120	1000	3000	1200	4000	0.065	by the metre