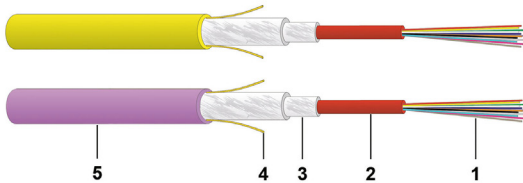


FO Indoor ZGGFR / J-B(ZN)BH

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.

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]	Tensile load short term [N]	Tensile load continuous [N]	Crush resistance short term [N]	Crush resistance continuous [N]	Fire load [kWh/m]	Packing unit
19603100CZ	FO Indoor 1x4	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603300CZ	FO Indoor 1x4	Cca-s1a,d1,a1	turquoise	G50/125 OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603600CZ	FO Indoor 1x4	Cca-s1a,d1,a1	heather violet	G50/125 OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19605700CZ	FO Indoor 1x6	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19605800CZ	FO Indoor 1x6	Cca-s1a,d1,a1	turquoise	G50/125 OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19605900CZ	FO Indoor 1x6	Cca-s1a,d1,a1	heather violet	G50/125 OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603200CZ	FO Indoor 1x8	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603400CZ	FO Indoor 1x8	Cca-s1a,d1,a1	turquoise	G50/125 OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603700CZ	FO Indoor 1x8	Cca-s1a,d1,a1	heather violet	G50/125 OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19456300CZ	FO Indoor 1x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19603500CZ	FO Indoor 1x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre
19597400CZ	FO Indoor 1x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	5.9	120	42	3,000	1,000	4,000	1,200	0.065	by the metre