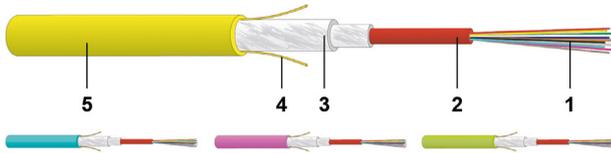


FO Universal DLTS ZGGFR / U-BQ(ZN)BH, C_{ca}

up to 24 fibres, FRNC/LSZH sheath, Euroclass C_{ca}

metal-free, dry interstices, gel-free loose tube,
rodent protection, flame retardant, longitudinally watertight



- 1 ≤ 24 fibres
- 2 Loose tube
- 3 Glass armour
- 4 Ripcord
- 5 FR/LSOH sheath



Description

Robust, non-metallic fibre optic outdoor and indoor cable with one central dry loose tube.
High crush resistance for high transmission reliability.
Easy to handle due to cable construction with dry interstices and gel-free loose tubes.
Longitudinal water-tightness by swelling yarn.
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.
Connection cable between the building distributors and/or floor distributors.
Suitable for laying in cable trays, ducts and vertical shafts.
Can also be spliced in all FO distributors and joints.

Construction

Outer sheath material	FRNC/LSZH
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General properties

Fibre colour code	IEC 60304
Maximum number of fibres	24
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 Universal DLTS ZGGFR / U-BQ(ZN)BH «No. of fibres» «Fibre type» «Batch no.» MADE IN SWITZERLAND «Receiver wave receiver wave» «Meter marks»
Field of application	Universal

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
Water penetration	IEC 60794-1-22 F5
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
Flame spread	IEC 60332-3-24
UV resistance	EN 50289-4-17

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
19706600CZ	FO Universal DLTS ZGGFR 1x4	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19708000CZ	FO Universal DLTS ZGGFR 1x4	Cca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19708500CZ	FO Universal DLTS ZGGFR 1x4	Cca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19706700CZ	FO Universal DLTS ZGGFR 1x6	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19708100CZ	FO Universal DLTS ZGGFR 1x6	Cca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19708600CZ	FO Universal DLTS ZGGFR 1x6	Cca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19706800CZ	FO Universal DLTS ZGGFR 1x8	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19708200CZ	FO Universal DLTS ZGGFR 1x8	Cca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19708700CZ	FO Universal DLTS ZGGFR 1x8	Cca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	7.6	115	68	3,000	1,000	5,000	1,000	0.234	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
19618100CZ	FO Universal DLTS ZGGFR 1x12	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	7.6	115	67.7	3,000	1,000	5,000	1,000	0.234	by the metre	
19708300CZ	FO Universal DLTS ZGGFR 1x12	Cca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19618500CZ	FO Universal DLTS ZGGFR 1x12	Cca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19706400CZ	FO Universal DLTS ZGGFR 1x12	Cca-s1a,d1,a1	lime green	G50/125 OM5	OM5	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19618200CZ	FO Universal DLTS ZGGFR 1x24	Cca-s1a,d1,a1	yellow	E9/125 G.652.D BLO	OS2	8.2	125	78	3,500	1,500	5,000	1,000	0.325	by the metre	
19708400CZ	FO Universal DLTS ZGGFR 1x24	Cca-s1a,d1,a1	turquoise	G50/125 OM3	OM3	8.2	125	78	3,500	1,500	5,000	1,000	0.325	by the metre	
19618600CZ	FO Universal DLTS ZGGFR 1x24	Cca-s1a,d1,a1	heather violet	G50/125 OM4	OM4	8.2	125	78	3,500	1,500	5,000	1,000	0.325	by the metre	
19706500CZ	FO Universal DLTS ZGGFR 1x24	Cca-s1a,d1,a1	lime green	G50/125 OM5	OM5	8.2	125	78	3,500	1,500	5,000	1,000	0.325	by the metre	

EN 60332-3-Series superseded by EN 50575

Subject to technical modification

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