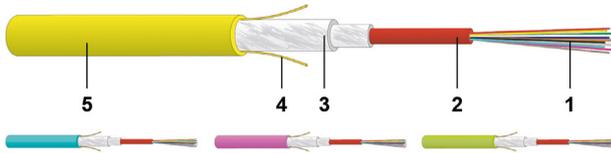


FO Universal DLTS ZGGFR / U-BQ(ZN)BH, D_{ca}

up to 24 fibres, FRNC/LSZH sheath, Euroclass D_{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	D _{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
19706600DZ	FO Universal DLTS ZGGFR 1x4	Dca-s2,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	
19708000DZ	FO Universal DLTS ZGGFR 1x4	Dca-s2,d1,a1	turquoise	G50/125 OM3	OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19708500DZ	FO Universal DLTS ZGGFR 1x4	Dca-s2,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	
19706700DZ	FO Universal DLTS ZGGFR 1x6	Dca-s2,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	
19708100DZ	FO Universal DLTS ZGGFR 1x6	Dca-s2,d1,a1	turquoise	G50/125 OM3	OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19708600DZ	FO Universal DLTS ZGGFR 1x6	Dca-s2,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	
19706800DZ	FO Universal DLTS ZGGFR 1x8	Dca-s2,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	
19708200DZ	FO Universal DLTS ZGGFR 1x8	Dca-s2,d1,a1	turquoise	G50/125 OM3	OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19708700DZ	FO Universal DLTS ZGGFR 1x8	Dca-s2,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
19618100DZ	FO Universal DLTS ZGGFR 1x12	Dca-s2,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	
19708300DZ	FO Universal DLTS ZGGFR 1x12	Dca-s2,d1,a1	turquoise	G50/125 OM3	OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre	
19618500DZ	FO Universal DLTS ZGGFR 1x12	Dca-s2,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	
19708400DZ	FO Universal DLTS ZGGFR 1x12	Dca-s2,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	
19618200DZ	FO Universal DLTS ZGGFR 1x24	Dca-s2,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	
19708400DZ	FO Universal DLTS ZGGFR 1x24	Dca-s2,d1,a1	turquoise	G50/125 OM3	OM3	8.2	125	78	3,500	1,500	5,000	1,000	0.325	by the metre	
19618600DZ	FO Universal DLTS ZGGFR 1x24	Dca-s2,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	
19706500DZ	FO Universal DLTS ZGGFR 1x24	Dca-s2,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 EN50575

Subject to technical modification

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