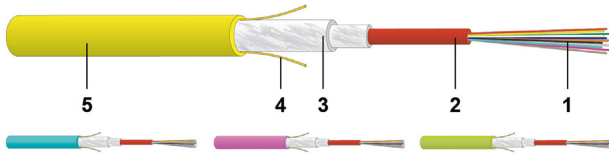


FO Universal DLTS ZGGFR / U-BQ(ZN)BH

up to 24 fibres, 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/LS0H 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/LS0H 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

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

Fibre colour code	IEC 60304
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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
Bend	IEC 60794-1-21 E11
Temperature cycling	IEC 60794-1-22 F1
Water penetration	IEC 60794-1-22 F5
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
Flame Spread	IEC 60332-3-24
Smoke Density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2
UV resistance	EN 50289-4-17

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
19706600DZ	FO Universal DLTS 1x4	Dca-s2,d1,a1	yellow	E9/125 G.652.D OS2	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19708000DZ	FO Universal DLTS 1x4	Dca-s2,d1,a1	turquoise	G50/125 OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19708500DZ	FO Universal DLTS 1x4	Dca-s2,d1,a1	heather violet	G50/125 OM4	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19706700DZ	FO Universal DLTS 1x6	Dca-s2,d1,a1	yellow	E9/125 G.652.D OS2	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19708100DZ	FO Universal DLTS 1x6	Dca-s2,d1,a1	turquoise	G50/125 OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19708600DZ	FO Universal DLTS 1x6	Dca-s2,d1,a1	heather violet	G50/125 OM4	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19706800DZ	FO Universal DLTS 1x8	Dca-s2,d1,a1	yellow	E9/125 G.652.D OS2	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19708200DZ	FO Universal DLTS 1x8	Dca-s2,d1,a1	turquoise	G50/125 OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19708700DZ	FO Universal DLTS 1x8	Dca-s2,d1,a1	heather violet	G50/125 OM4	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19618100DZ	FO Universal DLTS 1x12	Dca-s2,d1,a1	yellow	E9/125 G.652.D OS2	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19708300DZ	FO Universal DLTS 1x12	Dca-s2,d1,a1	turquoise	G50/125 OM3	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19618500DZ	FO Universal DLTS 1x12	Dca-s2,d1,a1	heather violet	G50/125 OM4	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19706400DZ	FO Universal DLTS 1x12	Dca-s2,d1,a1	lime green	G50/125 OM5	7.6	115	68	3,000	1,000	5,000	1,000	0.234	by the metre
19618200DZ	FO Universal DLTS 1x24	Dca-s2,d1,a1	yellow	E9/125 G.652.D OS2	8.2	125	78	3,500	1,500	5,000	1,000	0.325	by the metre
19708400DZ	FO Universal DLTS 1x24	Dca-s2,d1,a1	turquoise	G50/125 OM3	8.2	125	78	3,500	1,500	5,000	1,000	0.325	by the metre

Material number	Product	Reaction To Fire	Outer sheath colour	Fibre type	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
19618600DZ	FO Universal DLTS 1x24	Dca-s2,d1,a1	heather violet	G50/125 OM4	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

As of 2020-11-06 13:44:41