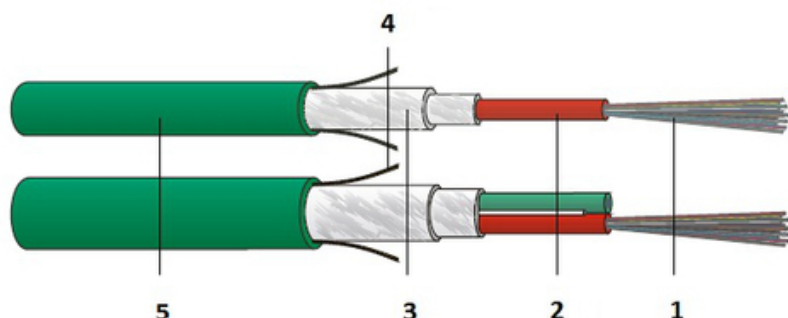


FO Universal ZGGFR / U-DQ(ZN)BH

for indoor and outdoor use, up to 24 fibres



- 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 or two central loose-tubes.
High crush resistance for high transmission reliability.
Easy handling due to cable construction with dry interstices.
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.

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 60794-1-2 F1
	during installation:	-10/+50°C	
	in operation:	-25/+60°C	
Tensile performance:	IEC 60794-1-2 E1/test criterion 0.33% reversible optical fibre elongation		
Crush resistance:	IEC 60794-1-2 E3		
Impact:	IEC 60794-1-2 E4		
Repeated bending:	IEC 60794-1-2 E6		
Torsion:	IEC 60794-1-2 E7		
Bend:	IEC 60794-1-2 E11		
Water penetration:	IEC 60794-1-2 F5		

GENERAL PROPERTIES

Sheath colour: green, similar to RAL 6016

STANDARDS

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 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2

Flame propagation IEC 60332-1/-2, EN 60332-1-2, VDE 0482-332-1-2

Flame spread IEC 60332.3 C, EN 50266-2-4, VDE 0482-266-2-4

Smoke density IEC 61034-1/-2, EN 61034-1/-2 (EN 50268-1/-2), VDE 0482-1034-1/-2 (VDE 0482-268-1/-2)

VERSIONS

Article Number	Product	Fibres number	Sheath colour	Fibre type	Loose Tubes	Sheath Ø [mm]	Weight [kg/km]	Bending radius [mm]	Tensile load [N]	Crush resistance continuous [N]	Crush resistance short term [N]	Fire load [kWh/km]	Fire load [MJ/km]
190203	FO Universal 1 x 4	4	green	E9/125 G.652.D	1	7.6	68	115	1500	3000	5000	275	990
185938	FO Universal 1 x 4	4	green	G50/125 OM2	1	7.6	68	115	1500	3000	5000	275	990
185989	FO Universal 1 x 4	4	green	G50/125 OM3	1	7.6	68	115	1500	3000	5000	275	990
192712	FO Universal 1 x 4	4	green	G50/125 OM4	1	7.6	68	115	1500	3000	5000	275	990
185990	FO Universal 1 x 4	4	green	G62.5/125 OM1	1	7.6	68	115	1500	3000	5000	275	990
190204	FO Universal 1 x 6	6	green	E9/125 G.652.D	1	7.6	68	115	1500	3000	5000	275	990
186459	FO Universal 1 x 6	6	green	G50/125 OM2	1	7.6	68	115	1500	3000	5000	275	990
190112	FO Universal 1 x 6	6	green	G50/125 OM3	1	7.6	68	115	1500	3000	5000	275	990
193360	FO Universal 1 x 6	6	green	G50/125 OM4	1	7.6	68	115	1500	3000	5000	275	990
186355	FO Universal 1 x 6	6	green	G62.5/125 OM1	1	7.6	68	115	1500	3000	5000	275	990
190205	FO Universal 1 x 8	8	green	E9/125 G.652.D	1	7.6	68	115	1500	3000	5000	275	990
186300	FO Universal 1 x 8	8	green	G50/125 OM2	1	7.6	68	115	1500	3000	5000	275	990
185959	FO Universal 1 x 8	8	green	G50/125 OM3	1	7.6	68	115	1500	3000	5000	275	990
187363	FO Universal 1 x 8	8	green	G50/125 OM4	1	7.6	68	115	1500	3000	5000	275	990
185934	FO Universal 1 x 8	8	green	G62.5/125 OM1	1	7.6	68	115	1500	3000	5000	275	990
193314	FO Universal 1 x 12	12	green	E9/125 G.652.D BLO	1	7.6	68	115	1500	3000	5000	275	990
190077	FO Universal 1 x 12	12	green	E9/125 G.652.D	1	7.6	68	115	1500	3000	5000	275	990
185935	FO Universal 1 x 12	12	green	G50/125 OM2	1	7.6	68	115	1500	3000	5000	275	990
186350	FO Universal 1 x 12	12	green	G50/125 OM3	1	7.6	68	115	1500	3000	5000	275	990

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191251	FO Universal 1 x 12 12	green	G50/125 OM4	1	7.6	68	115	1500	3000	5000	275	990
186005	FO Universal 1 x 12 12	green	G62.5/125 OM1	1	7.6	68	115	1500	3000	5000	275	990
190071	FO Universal 2 x 12 24	green	E9/125 G.652.D	2	9.5	96	140	2800	3000	5000	430	1548
186356	FO Universal 2 x 12 24	green	G50/125 OM2	2	9.5	96	140	2800	3000	5000	430	1548
186432	FO Universal 2 x 12 24	green	G50/125 OM3	2	9.5	96	140	2800	3000	5000	430	1548
191252	FO Universal 2 x 12 24	green	G50/125 OM4	2	9.5	96	140	2800	3000	5000	430	1548
186487	FO Universal 2 x 12 24	green	G62.5/125 OM1	2	9.5	96	140	2800	3000	5000	430	1548
192970	FO Universal 1 x 12 12	green	E9/125 G.652.D	1	8.2	73	125	3000	3000	5000	336	1210
192967	FO Universal 1 x 12 12	green	G50/OM2	1	8.2	73	125	3000	3000	5000	336	1210
192968	FO Universal 1 x 12 12	green	G50/OM3	1	8.2	73	125	3000	3000	5000	336	1210
192969	FO Universal 1 x 12 12	green	G50/OM4	1	8.2	73	125	3000	3000	5000	336	1210
193337	FO Universal 1 x 24 24	green	E9/125 G.652.D BLO	1	8.2	73	125	3000	3000	5000	336	1210
187354	FO Universal 1 x 24 24	green	E9/125 G.652.D	1	8.2	79	125	3000	3000	5000	336	1210
186595	FO Universal 1 x 24 24	green	G50/125 OM2	1	8.2	79	125	3000	3000	5000	336	1210
191755	FO Universal 1 x 24 24	green	G50/125 OM3	1	8.2	79	125	3000	3000	5000	336	1210
192713	FO Universal 1 x 24 24	green	G50/125 OM4	1	8.2	79	125	3000	3000	5000	336	1210
191753	FO Universal 1 x 24 24	green	G62.5/125 OM1	1	8.2	79	125	3000	3000	5000	336	1210
190378	FO Universal-Hybrid 24 1x 12 E9 + 1x 12 G50*	green	G50/125 OM2	2	9.5	96	140	3000	3000	5000	336	1548
190137	FO Universal-Hybrid 24 1x 12 E9 + 1x 12 G50*	green	G50/125 OM3	2	9.5	96	140	3000	3000	5000	430	1548
190124	FO Universal-Hybrid 24 1x 12 E9 + 1x 12 G50*	green	G50/125 OM4	2	9.5	96	140	3000	3000	5000	430	1548