

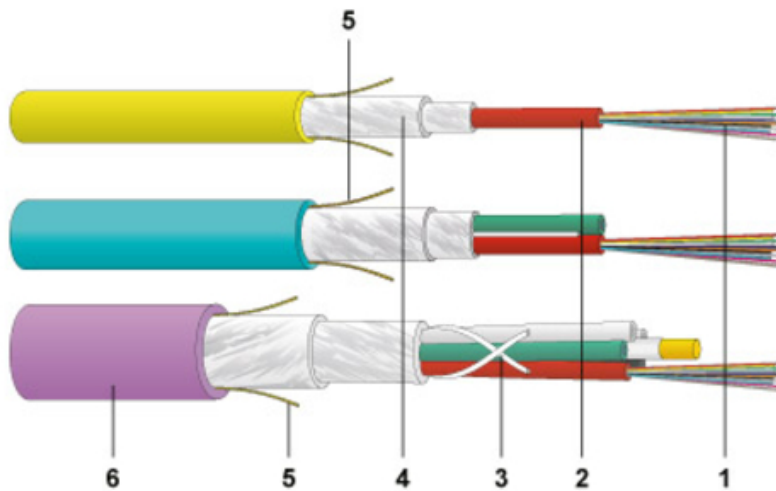
FO Universal coloured ZGGFR - wbGGFR / U-DQ(ZN)BH

for indoor and outdoor use, up to 48 fibres

metal-free, dry interstices,

rodent protection, flame retardant,

in accordance with IEC 60332.1 and IEC 60332.3 C



- 1 ≤ 24 fibres
- 2 Loose tube
- 3 Swelling tape
- 4 Glass armour
- 5 Ripcord
- 6 FR/LS0H sheath



DESCRIPTION

Robust, non-metallic fibre optic outdoor and indoor cable with one or two central loose-tubes or stranded 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/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.

OPTICAL PROPERTIES

The cables are available with different types of optical fibre (see fibre data sheets).

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MECHANICAL PROPERTIES

Temperature range	storage: -25/+70°C during installation: -10/+50°C in operation: -25/+60°C	EN 60794-1-2 F1
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:	yellow, turquoise, heather violet
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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 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 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]
193421	FO Universal 1 x 6	6	yellow	E9/125 G.652.D	1	7.6	68	115	1500	3000	5000	275	990
193425	FO Universal 1 x 6	6	turquoise	G50/125 OM3	1	7.6	68	115	1500	3000	5000	275	990
193429	FO Universal 1 x 6	6	heather violet	G50/125 OM4	1	7.6	68	115	1500	3000	5000	275	990
194422	FO Universal 1 x 8	8	heather violet	G50/125 OM4	1	7.6	68	115	1500	3000	5000	275	990
193422	FO Universal 1 x 12	12	yellow	E9/125 G.652.D	1	7.6	68	115	1500	3000	5000	275	990
193426	FO Universal 1 x 12	12	turquoise	G50/125 OM3	1	7.6	68	115	1500	3000	5000	275	990
193430	FO Universal 1 x 12	12	heather violet	G50/125 OM4	1	7.6	68	115	1500	3000	5000	275	990
on request	FO Universal 1 x 12	12			1	8.2	73	125	3000	3000	5000	336	1210
193423	FO Universal	24	yellow	E9/125 G.652.D	2	9.5	96	140	2800	3000	5000	430	1548

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2 x 12												
193427	FO Universal 2 x 12	24	turquoise	G50/125 2 OM3	9.5	96	140	2800	3000	5000	430	1548
193431	FO Universal 2 x 12	24	heather violet	G50/125 2 OM4	9.5	96	140	2800	3000	5000	430	1548
on request	FO Universal 1 x 24	24		1	8.2	73	125	3000	3000	5000	336	1210
193424	FO Universal 4 x 12	48	yellow	E9/125 4 G.652.D	11.4	148	175	6000	3000	5000	616	2218
193428	FO Universal 4 x 12	48	turquoise	G50/125 4 OM3	11.4	148	175	6000	3000	5000	616	2218
193432	FO Universal 4 x 12	48	heather violet	G50/125 4 OM4	11.4	148	175	6000	3000	5000	616	2218