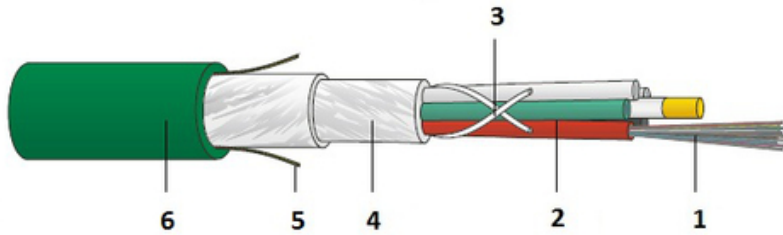


FO Universal wbGGFR / U-DQ(ZN)BH

for indoor and outdoor use, up to 144 fibres



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



DESCRIPTION

Robust, metal-free fibre optic outdoor and indoor cable with stranded loose tubes.
High crush resistance for high transmission reliability.
Easy to handle 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	IEC 60794-1-2 F1
	during installation:	-10 / +50°C	
	in operation:	-25 / +60°C	
Tensile performance:	IEC 60794-1-2 E1N		
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]
190207	FO Universal 3 x 12	36	green	E9/125 G.652.D	5	11.4	148	175	6000	3000	5000	616	2218
186434	FO Universal 3 x 12	36	green	G50/125 OM2	5	11.4	148	175	6000	3000	5000	616	2218
on request	FO Universal 3 x 12	36	green	G50/125 OM3	5	11.4	148	175	6000	3000	5000	616	2218
192678	FO Universal 3 x 12	36	green	G50/125 OM4	5	11.4	148	175	6000	3000	5000	616	2218
186488	FO Universal 3 x 12	36	green	G62.5/125 OM1	5	11.4	148	175	6000	3000	5000	616	2218
190208	FO Universal 4 x 12	48	green	E9/125 G.652.D	5	11.4	148	175	6000	3000	5000	616	2218
187291	FO Universal 4 x 12	48	green	G50/125 OM2	5	11.4	148	175	6000	3000	5000	616	2218
186486	FO Universal 4 x 12	48	green	G50/125 OM3	5	11.4	148	175	6000	3000	5000	616	2218
191278	FO Universal 4 x 12	48	green	G50/125 OM4	5	11.4	148	175	6000	3000	5000	616	2218
187292	FO Universal 4 x 12	48	green	G62.5/125 OM1	5	11.4	148	175	6000	3000	5000	616	2218
190209	FO Universal 5 x 12	60	green	E9/125 G.652.D	5	11.4	148	175	6000	3000	5000	616	2218
190618	FO Universal 5 x 12	60	green	G50/125 OM2	5	11.4	148	175	6000	3000	5000	616	2218
186642	FO Universal 5 x 12	60	green	G50/125 OM3	5	11.4	148	175	6000	3000	5000	616	2218
on request	FO Universal 5 x 12	60	green	G50/125 OM4	5	11.4	148	175	6000	3000	5000	616	2218

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		5 x 12											
192170	FO Universal 5 x 12	60	green	G62.5/125 5 OM1	5	11.4	148	175	6000	3000	5000	616	2218
190210	FO Universal 6 x 12	72	green	E9/125 G.652.D	6	12.2	164	185	6000	3000	5000	681	2452
187344	FO Universal 6 x 12	72	green	G50/125 OM2	6	12.2	164	185	6000	3000	5000	681	2452
186539	FO Universal 6 x 12	72	green	G50/125 OM3	6	12.2	164	185	6000	3000	5000	681	2452
on request	FO Universal 6 x 12	72	green	G50/125 OM4	6	12.2	164	185	6000	3000	5000	681	2452
on request	FO Universal 6 x 12	72	green	G62.5/125 6 OM1	6	12.2	164	185	6000	3000	5000	681	2452
186747	FO Universal 8 x 12	96	green	E9/125 G.652.D	8	13.5	198	205	6000	3000	5000	808	3200
on request	FO Universal 8 x 12	96	green	G50/125 OM2	8	13.5	198	205	6000	3000	5000	808	3200
186540	FO Universal 8 x 12	96	green	G50/125 OM3	8	13.5	198	205	6000	3000	5000	808	3200
192714	FO Universal 8 x 12	96	green	G50/125 OM4	8	13.5	198	205	6000	3000	5000	808	3200
on request	FO Universal 8 x 12	96	green	G62.5/125 8 OM1	8	13.5	198	205	6000	3000	5000	808	3200
190211	FO Universal 10 x 12	120	green	E9/125 G.652.D	10	14.8	230	225	6000	3000	5000	936	3369
on request	FO Universal 10 x 12	120	green	G50/125 OM2	10	14.8	230	225	6000	3000	5000	936	3369
186536	FO Universal 10 x 12	120	green	G50/125 OM3	10	14.8	230	225	6000	3000	5000	936	3369
on request	FO Universal 10 x 12	120	green	G50/125 OM4	10	14.8	230	225	6000	3000	5000	936	3369
on request	FO Universal 10 x 12	120	green	G62.5/125 10 OM1	10	14.8	230	225	6000	3000	5000	936	3369
190212	FO Universal 12 x 12	144	green	E9/125 G.652.D	12	16.3	272	245	6000	3000	5000	1075	3870
186616	FO Universal 12 x 12	144	green	G50/125 OM2	12	16.3	272	245	6000	3000	5000	1075	3870
191710	FO Universal 12 x 12	144	green	G50/125 OM3	12	16.3	272	245	6000	3000	5000	1075	3870
192715	FO Universal 12 x 12	144	green	G50/125 OM4	12	16.3	272	245	6000	3000	5000	1075	3870
on	FO	144	green	G62.5/125 12	12	16.3	272	245	6000	3000	5000	1075	3870

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request Universal
12 x 12

OM1