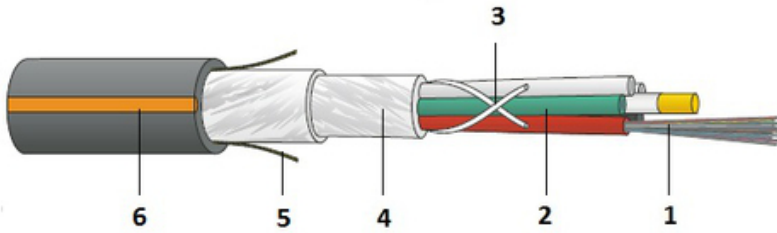


FO Universal wbGGFR Easy Blow / U-DQ(ZN)BH

Fire resistant, optimized for blowing through thermoplastic ducts



- 1 ≤ 12 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.

Optimized for blowing through thermoplastic ducts:

Its good greasing characteristics, smooth and strong sheath surface and good internal strength provide for an axial linear motion and reduced friction (in comparison with standard indoor/outdoor cables).

Therefore a blowing length of up to 2000 m is possible.

Non-metallic rodent protection.

Flame retardant and fire resistant sheath with very low fire load.

The coloured ripcords are easy to identify and enable the safe opening of the cable sheath.

APPLICATION

For blowing through thermoplastic ducts with blowing lengths of up to 2000 m.

In Premises cabling for LAN backbones (Campus and Vertical/Riser cabling) as well as for tunnels.

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 E1		
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		

STANDARDS

As of 05.10.2016

Subject to technical modification.

FO Universal wbGGFR Easy Blow / U-DQ(ZN)BH

Fire resistant, optimized for blowing through thermoplastic ducts



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]
190602	wbGGFR5 Easy Blow 1 x 12	12	black	E9/125 G.652.D	5	12.0	154	180	9000	3000	5000	627	2257
on request	wbGGFR5 Easy Blow 1 x 12	12	black	G50/125 OM2	5	12.0	154	180	9000	3000	5000	627	2257
186756	wbGGFR5 Easy Blow 1 x 12	12	black	G62.5/125 OM1	5	12.0	154	180	9000	3000	5000	627	2257
190215	wbGGFR5 Easy Blow 2 x 12	24	black	E9/125 G.652.D	5	12.0	154	180	9000	3000	5000	627	2257
186645	wbGGFR5 Easy Blow 2 x 12	24	black	G50/125 OM2	5	12.0	154	180	9000	3000	5000	627	2257
192156	wbGGFR Easy Blow 2 x 12	24	black	G50/125 OM3	5	12.0	154	180	9000	3000	5000	627	2257
on request	wbGGFR5 Easy Blow 2 x 12	24	black	G50/125 OM4	5	12.0	154	180	9000	3000	5000	627	2257
186561	wbGGFR5 Easy Blow 2 x 12	24	black	G62.5/125 OM1	5	12.0	154	180	9000	3000	5000	627	2257
190692	wbGGFR5 Easy Blow 3 x 12	36	black	E9/125 G.652.D	5	12.0	154	180	9000	3000	5000	627	2257
187319	wbGGFR5 Easy Blow 3 x 12	36	black	G50/125 OM2	5	12.0	154	180	9000	3000	5000	627	2257
on request	wbGGFR5 Easy Blow 3 x 12	36	black	G62.5/125 OM1	5	12.0	154	180	9000	3000	5000	627	2257
190216	wbGGFR5 Easy Blow 4 x 12	48	black	E9/125 G.652.D	5	12.0	154	180	9000	3000	5000	627	2257
on request	wbGGFR5 Easy Blow 4 x 12	48	black	G50/125 OM2	5	12.0	154	180	9000	3000	5000	627	2257
186757	wbGGFR5 Easy Blow 4 x 12	48	black	G62.5/125 OM1	5	12.0	154	180	9000	3000	5000	627	2257
190217	wbGGFR5 Easy Blow 5 x 12	60	black	E9/125 G.652.D	5	12.0	154	180	9000	3000	5000	627	2257
on request	wbGGFR5 Easy Blow 5 x 12	60	black	G50/125 OM2	5	12.0	154	180	9000	3000	5000	627	2257
on	wbGGFR5	60	black	G62.5/125	5	12.0	154	180	9000	3000	5000	627	2257

FO Universal wbGGFR Easy Blow / U-DQ(ZN)BH

Fire resistant, optimized for blowing through thermoplastic ducts



request	Easy Blow												
	5 x 12			OM1									
190218	wbGGFR5 Easy Blow 6 x 12	72	black	E9/125 G.652.D	6	12.8	175	195	9000	3000	5000	698	2513
on request	wbGGFR5 Easy Blow 6 x 12	72	black	G50/125 OM2	6	12.8	175	195	9000	3000	5000	698	2513
190753	wbGGFR5 Easy Blow 6 x 12	72	black	G62.5/125 OM1	6	12.8	175	195	9000	3000	5000	698	2513
190219	wbGGFR5 Easy Blow 8 x 12	96	black	E9/125 G.652.D	8	14.0	208	210	9000	3000	5000	925	3330
on request	wbGGFR5 Easy Blow 8 x 12	96	black	G50/125 OM2	8	14.0	208	210	9000	3000	5000	925	3330
186758	wbGGFR5 Easy Blow 8 x 12	96	black	G62.5/125 OM1	8	14.0	208	210	9000	3000	5000	925	3330
190220	wbGGFR5 Easy Blow 10 x 12	120	black	E9/125 G.652.D	10	15.4	243	230	9000	3000	5000	1151	4144
on request	wbGGFR5 Easy Blow 10 x 12	120	black	G50/125 OM2	10	15.4	243	230	9000	3000	5000	1151	4144
on request	wbGGFR5 Easy Blow 10 x 12	120	black	G62.5/125 OM1	10	15.4	243	230	9000	3000	5000	1151	4144
190221	wbGGFR5 Easy Blow 12 x 12	144	black	E9/125 G.652.D	12	16.9	286	255	9000	3000	5000	1367	4921
on request	wbGGFR5 Easy Blow 12 x 12	144	black	G50/125 OM2	12	16.9	286	255	9000	3000	5000	1367	4921
on request	wbGGFR5 Easy Blow 12 x 12	144	black	G62.5/125 OM1	12	16.9	286	255	9000	3000	5000	1367	4921
191701	wbGGFR5 Easy Blow 12 x 24	288	black	E9/125 G.652.D	12	18.8	356	285	9000	3000	5000	1435	5165
on request	wbGGFR5 Easy Blow 12 x 24	288	black	G50/125 OM2	12	18.8	356	285	9000	3000	5000	1435	5165
on request	wbGGFR5 Easy Blow 12 x 24	288	black	G62.5/125 OM1	12	18.8	356	285	9000	3000	5000	1435	5165