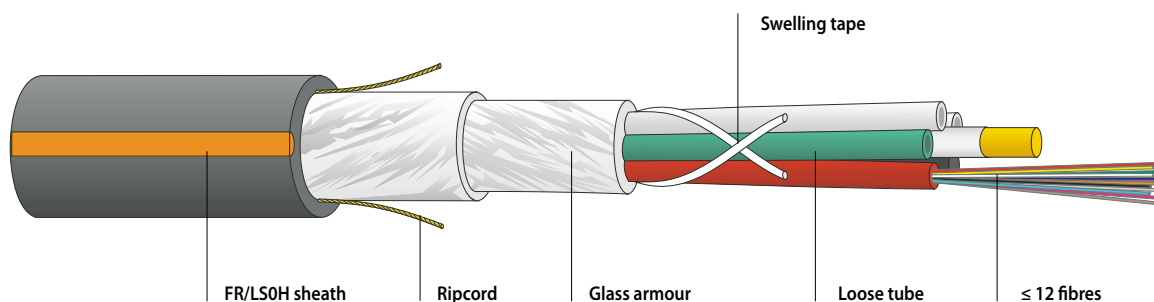


FO Universal wbGGFR Easy Blow / U-DQ(ZN)BH**Fire resistant, optimized for blowing through thermoplastic ducts**non metallic, dry interstices, rodent protection,
in accordance with IEC 60332.1 and IEC 60332.3 C

PRODUCT INFORMATION

**FEATURES**

Robust, non metallic 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 CHARACTERISTICS

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

MECHANICAL CHARACTERISTICS

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

GENERAL CHARACTERISTICS

Imprint: DATWYLER «cable type» «Datwyler designation» «DIN designation»
«number of fibres» «fibre type» «additional text» «batch number»
~ ~ «meter marks» ~ ~

-  Zero halogen,
non corrosive gases
-  Flame retardant
-  Fire resistant
(no flame propagation)
-  Minimum smoke emission

IEC 60754-1/-2, EN 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2
IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
IEC 60332.3 C, EN 50266-2-4,
VDE 0482-266-2-4
IEC 61034-1/-2, EN 61034-1/-2 (EN 50268-1/-2),
VDE 0482-1034-1/-2 (VDE 0482-268-1/-2)

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PRODUCT INFORMATION

Description	No. of fibres	Loose tubes	Sheath Ø	Weight	Bending radius	Tensile load	Crush resistance		Fire load	
U-DQ(ZN)BH n x m			mm	kg/km	mm	N	continuous N	short term N	kWh/km	MJ/km
wbGGFR5 Easy Blow 5 x 12	60	5	12.0	154	180	9000	3000	5000	627	2257
wbGGFR6 Easy Blow 6 x 12	72	6	12.8	175	195	9000	3000	5000	698	2513
wbGGFR8 Easy Blow 8 x 12	96	8	14.0	208	210	9000	3000	5000	925	3330
wbGGFR10 Easy Blow 10 x 12	120	10	15.4	243	230	9000	3000	5000	1151	4144
wbGGFR12 Easy Blow 12 x 12	144	12	16.9	286	255	9000	3000	5000	1367	4921
wbGGFR12 Easy Blow 12 x 24	288	12	18.8	356	285	9000	3000	5000	1435	5165

VERSIONS

U-DQ(ZN)BH n x m	Fibres	Article No.	Article No.	Article No.
Description	number	E9/125 G.652.D	G50/125 OM2	G62.5/125 OM1
wbGGFR5 Easy Blow 1 x 12	12	190602	on request	186756
wbGGFR5 Easy Blow 2 x 12	24	190215	186645	186561
wbGGFR5 Easy Blow 3 x 12	36	190692	187319	on request
wbGGFR5 Easy Blow 4 x 12	48	190216	on request	186757
wbGGFR5 Easy Blow 5 x 12	60	190217	on request	on request
wbGGFR6 Easy Blow 6 x 12	72	190218	on request	190753
wbGGFR8 Easy Blow 8 x 12	96	190219	on request	186758
wbGGFR10 Easy Blow 10 x 12	120	190220	on request	on request
wbGGFR12 Easy Blow 12 x 12	144	190221	on request	on request
wbGGFR12 Easy Blow 12 x 24	288	191701	on request	on request