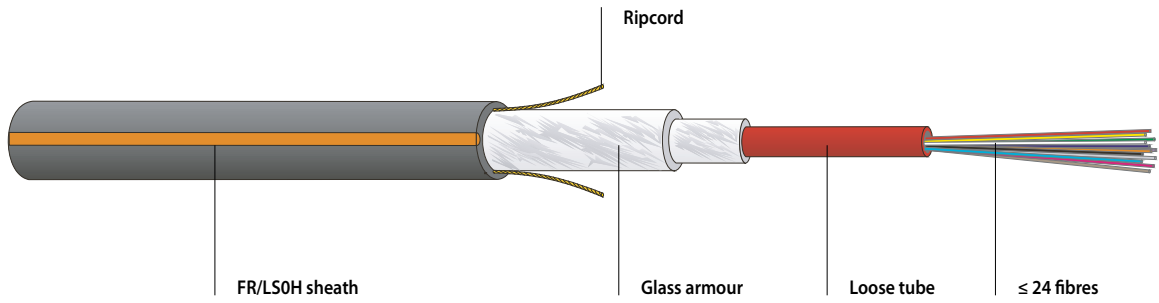


FIBRE OPTIC UNIVERSAL CABLES

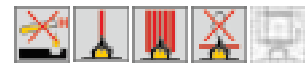
FO Universal ZGGFR Easy Blow / U-DQ(ZN)BH

Fire resistant, optimized for blowing through thermoplastic ducts

non metallic, 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 one central loose tube.
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	IEC 60754-1/-2, EN 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2
Flame retardant	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Fire resistant (no flame propagation)	IEC 60332.3 C, EN 50266-2-4, VDE 0482-266-2-4
Minimum smoke emission	IEC 61034-1/-2, EN 61034-1/-2 (EN 50268-1/-2), VDE 0482-1034-1/-2 (VDE 0482-268-1/-2)

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

Fire resistant, optimized for blowing through thermoplastic ducts

non metallic, rodent protection,
in accordance with IEC 60332.1 and IEC 60332.3 C

PRODUCT INFORMATION

Description	No. of fibres	Loose tube	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
ZGGFR Easy Blow 1 x 12	12	1	8.5	84	140	2500	2000	3000	356	1280
ZGGFR Easy Blow 1 x 24	24	1	9.0	95	145	2500	2000	3000	400	1435

VERSIONS

U-DQ(ZN)BH n x m	Fibres	Article No.	Article No.	Article No.	Article No.
Description	number	E9/125 G.652.D	G50/125 OM2	G50/125 OM3	G62.5/125 OM1
ZGGFR Easy Blow 1 x 4	4	190617	191277	191825	190754
ZGGFR Easy Blow 1 x 6	6	190363	on request	on request	on request
ZGGFR Easy Blow 1 x 8	8	190700	on request	on request	on request
ZGGFR Easy Blow 1 x 12	12	190213	on request	on request	on request
ZGGFR Easy Blow 1 x 24	24	190214	on request	on request	on request