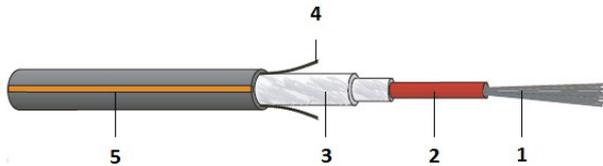


## FO Universal ZGGFR Easy Blow / U-DQ(ZN)BH

Fire resistant, optimized for blowing, up to 24 fibres, Euroclass Dca

metal-free, rodent protection,

in accordance with IEC 60332.1 and IEC 60332.3 C



- 1 ≤ 24 fibres
- 2 Loose tube
- 3 Glass armour
- 4 Ripcord
- 5 FR/LSOH sheath (black)



### Description

Robust, metal-free 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).

Non-metallic rodent protection.

Flame retardant and fire resistant sheath (black) 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.

### Construction

Outer sheath material	FRNC/LSZH
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### General properties

Maximum number of fibres	24
Installation temperature	-10 °C - +50 °C
Storage temperature	-25 °C - +70 °C
Operating temperature	-25 °C - +70 °C
Imprint	DATWYLER «cable type» «Datwyler designation» «DIN designation» «no. of fibres» «fibre type» «add. text» «batch no.» «meter marks»
Field of application	Universal

## Standards

Tensile performance	IEC 60794-1-21 E1
Crush resistance	IEC 60794-1-21 E3
Impact	IEC 60794-1-21 E4
Repeated bending	IEC 60794-1-21 E6
Torsion	IEC 60794-1-21 E7
Bend	IEC 60794-1-21 E11
Temperature cycling	IEC 60794-1-22 F1
Water penetration	IEC 60794-1-22 F5
Reaction to fire	EN 13501-6
Euroclass	D <sub>ca</sub>
Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2
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 60332-3-24, EN 60332-3-24, VDE 0482-332-3-24
UV resistance	EN 50289-4-17

## Versions

Material number	Product	Reaction to fire	Outer sheath colour	Fibre type	Fibre category	Outer sheath diameter [mm]	Bending radius [mm]	Weight [kg/km]	Tensile load [N]	Crush resistance short term [N]	Crush resistance continuous [N]	Fire load [kWh/m]	Packing unit	GTIN / EAN
19061700DZ	FO Universal ZGGFR Easy Blow 1x4	Dca-s2,d1,a1	black/orange	E9/125 G.652.D OS2	OS2	8.5	140	85	2,500	3,000	2,000	0.356	by the metre	
19182500DZ	FO Universal ZGGFR Easy Blow 1x4	Dca-s2,d1,a1	black/orange	G50/125 OM3	OM3	8.5	140	85	2,500	3,000	2,000	0.356	by the metre	
19036300DZ	FO Universal ZGGFR Easy Blow 1x6	Dca-s2,d1,a1	black/orange	E9/125 G.652.D OS2	OS2	8.5	140	85	2,500	3,000	2,000	0.356	by the metre	
19170000DZ	FO Universal ZGGFR Easy Blow 1x8	Dca-s2,d1,a1	black/orange	E9/125 G.652.D OS2	OS2	8.5	140	85	2,500	3,000	2,000	0.356	by the metre	
19021300DZ	FO Universal ZGGFR Easy Blow 1x12	Dca-s2,d1,a1	black/orange	E9/125 G.652.D OS2	OS2	8.5	140	85	2,500	3,000	2,000	0.356	by the metre	
19021400DZ	FO Universal ZGGFR Easy Blow 1x24	Dca-s2,d1,a1	black/orange	E9/125 G.652.D OS2	OS2	9	145	92	2,500	3,000	2,000	0.4	by the metre	