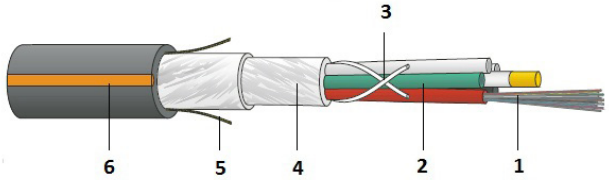
FO Universal wbGGFR Easy Blow / U-DQ(ZN)BH

Fire resistant, optimized for blowing, up to 288 fibres, Euroclass Eca

metal-free, dry interstices, rodent protection,
in accordance with IEC 60332.1 and IEC 60332.3 C



1 ≤ 24 fibres
2 Loose tube
3 Swelling tape
4 Glass armour
5 Ripcord
6 FR/LS0H sheath (black)

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).
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

General properties

Maximum number of fibres	288
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	E_{ca}
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 continu-ous [N]	Fire load [kWh/m]	Packing unit	GTIN / EAN
19060200EZ	FO Univer-sal wbGGFR Easy Blow 1x12	Eca	black/ orange	E9/125 G.652.D OS2	OS2	12	180	166	9,000	5,000	3,000	0.627	by the metre	
19021500EZ	FO Univer-sal wbGGFR Easy Blow 2x12	Eca	black/ orange	E9/125 G.652.D OS2	OS2	12	180	166	9,000	5,000	3,000	0.627	by the metre	
19215600EZ	FO Univer-sal wbGGFR Easy Blow 2x12	Eca	black/ orange	G50/125 OM3	OM3	12	180	166	9,000	5,000	3,000	0.627	by the metre	
19069200EZ	FO Univer-sal wbGGFR Easy Blow 3x12	Eca	black/ orange	E9/125 G.652.D OS2	OS2	12	180	166	9,000	5,000	3,000	0.627	by the metre	
19021600EZ	FO Univer-sal wbGGFR Easy Blow 4x12	Eca	black/ orange	E9/125 G.652.D OS2	OS2	12	180	166	9,000	5,000	3,000	0.627	by the metre	
19443100EZ	FO Univer-sal wbGGFR Easy Blow 4x12	Eca	black/ orange	G50/125 OM3	OM3	12	180	166	9,000	5,000	3,000	0.627	by the metre	
19021700EZ	FO Univer-sal wbGGFR Easy Blow 5x12	Eca	black/ orange	E9/125 G.652.D OS2	OS2	12	180	166	9,000	5,000	3,000	0.627	by the metre	
19021800EZ	FO Univer-sal wbGGFR Easy Blow 6x12	Eca	black/ orange	E9/125 G.652.D OS2	OS2	12.8	195	180	9,000	5,000	3,000	0.698	by the metre	
19609900EZ	FO Univer-sal wbGGFR Easy Blow 6x12	Eca	black/ orange	G50/125 OM4	OM4	12.8	195	180	9,000	5,000	3,000	0.698	by the metre	
19021900EZ	FO Univer-sal wbGGFR Easy Blow 8x12	Eca	black/ orange	E9/125 G.652.D OS2	OS2	14	210	215	9,000	5,000	3,000	0.925	by the metre	

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 continu-ous [N]	Fire load [kWh/m]	Packing unit	GTIN / EAN
19022000EZ	FO Univer-sal wbGGFR Easy Blow 10x12	Eca	black/ orange	E9/125 G.652.D OS2	OS2	15.4	230	250	9,000	5,000	3,000	1.151	by the metre	
19022100EZ	FO Univer-sal wbGGFR Easy Blow 12x12	Eca	black/ orange	E9/125 G.652.D OS2	OS2	16.9	255	297	9,000	5,000	3,000	1.367	by the metre	
19170100EZ	FO Univer-sal wbGGFR Easy Blow 12x24	Eca	black/ orange	E9/125 G.652.D OS2	OS2	18.8	285	358	9,000	5,000	3,000	1.435	by the metre	

Subject to technical modification

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