

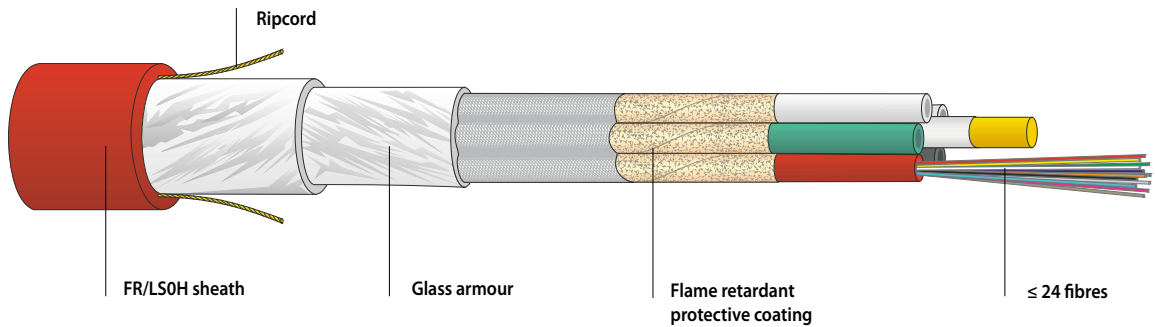
FIBRE OPTIC UNIVERSAL CABLES

FO Universal wbGGFR Safety / U-DQ(ZN)BH

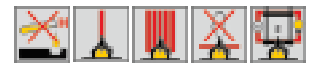
Safety cable E30

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

30 minutes system circuit integrity according to DIN 4102-12



PRODUCT INFORMATION



FEATURES

Non metallic fibre optic safety cable with multiple loose tubes, up to 60 fibres.
The optimal combination of flame retardant fibre coating and flame-inhibiting stabilizing elements ensures enhanced functional integrity (system circuit integrity) in case of fire for 30 minutes.

APPLICATION

Safety applications in tunnels, underground railways, banks, insurance companies, large scale industry.
LAN backbone.
Indoor and outdoor cabling.
Can be installed in cable platforms, trays, ducts and vertical shafts.
Can be spliced in FO distributors.

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		
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)
- Circuit Integrity (FE180) IEC 60331, VDE 0472 part 814, EN 50200, EN 50362, VDE 0482-200, VDE 0482-362
- System Circuit Integrity E30* according to DIN 4102 part 12

*System Circuit Integrity is dependent on installation method

ACCESSORIES

You can find the necessary E30-tested and certified fire safety system components in our catalogue "System Circuit Integrity" and on our homepage.

Copper

Fibre Optics

Cabinets & Racks

Data Centre

Wireless

Multimedia

General Information

GF-1324-wbGGFR-Safety0712/e

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PRODUCT INFORMATION

Description U-DQ(ZN)BH n x m	No. of fibres max.	Loose tubes max.	Sheath Ø mm	Weight kg/km	Bending radius mm	Tensile load N	Crush resistance		Fire load	
							continuous N	short term N	kWh/km	MJ/km
wbGGFR Safety 2 x 12	24	2	12.5	166	190	6000	3000	5000	733	2639
wbGGFR Safety 3 x 12	36	3	12.5	168	190	6000	3000	5000	733	2639
wbGGFR Safety 4 x 12	48	4	12.5	170	190	6000	3000	5000	733	2639
wbGGFR Safety 5 x 12	60	5	12.5	166	190	6000	3000	5000	733	2639

VERSIONS

U-DQ(ZN)BH n x m Description	Fibres number	Article No. E9/125 G.652.D	Article No. G50/125 OM2	Article No. G50/125 OM3	Article No. G62.5/125 OM1
wbGGFR Safety 2 x 12	24	190223	187294	187360	on request
wbGGFR Safety 3 x 12	36	190224	on request	on request	on request
wbGGFR Safety 4 x 12	48	190225	192119	191191	on request
wbGGFR Safety 5 x 12	60	190226	on request	190605	on request