

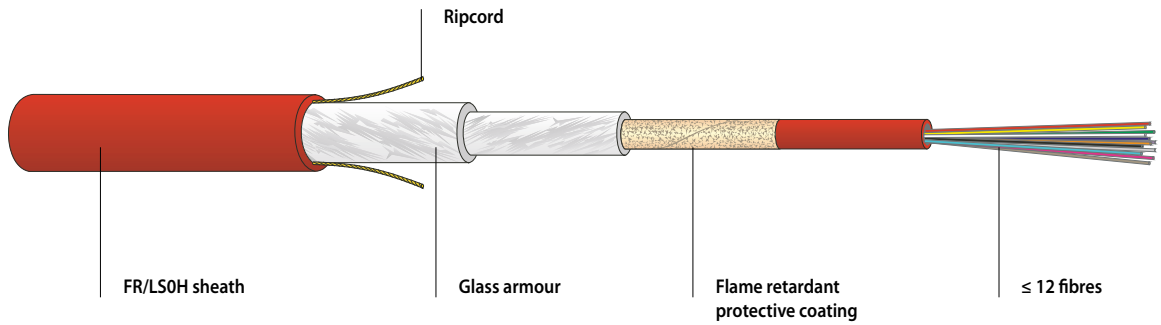
FIBRE OPTIC UNIVERSAL CABLES

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

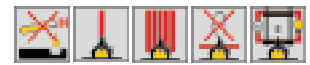
Safety cable E30

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 one central loose tube, up to 12 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		
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)
- 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 E30 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.

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PRODUCT INFORMATION

Description	No. of fibres	Loose tube	Sheath Ø	Weight	Bending radius	Tensile load	Crush resistance		Fire load	
U-DQ(ZN)BH 1 x m	max.		mm	kg/km	mm	N	continuous N	short term N	kWh/km	MJ/km
ZGGFR Safety 1 x 12	12	1	7.8	72	120	1000	2000	5000	301	1084

VERSIONS

U-DQ(ZN)BH 1 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 Safety 1 x 4	4	187288	186363	190604	186638
ZGGFR Safety 1 x 6	6	191867	186639	191851	190792
ZGGFR Safety 1 x 8	8	on request	190621	on request	on request
ZGGFR Safety 1 x 12	12	190719	187293	191796	187305

Copper

Fibre Optics

Cabinets & Racks

Data Centre

Wireless

Multimedia

General Information