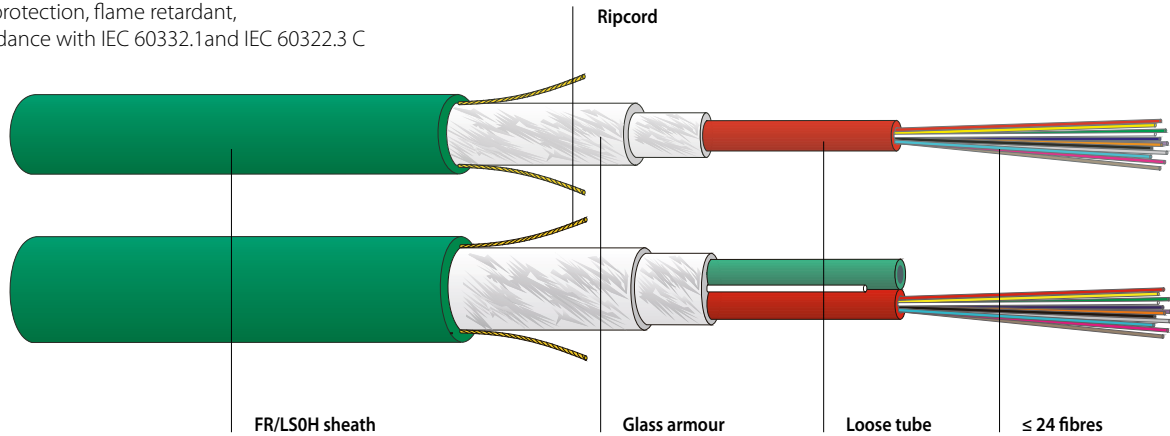


FIBRE OPTIC UNIVERSAL CABLES

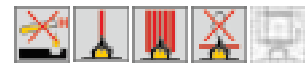
FO Universal U-DQ(ZN)BH

for indoor and outdoor use, up to 24 fibres

non metallic, dry interstices,
rodent protection, flame retardant,
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 or two central loose-tubes.
High crush resistance for high transmission reliability.
Easy handling due to cable construction with dry interstices.
Non metallic rodent protection.
The two coloured ripcords are easy to identify and enable the safe opening of the cable sheath.
Flame retardant halogen-free FR/LSOH sheath.

APPLICATION

LAN backbone, access and riser zone.
Connection cable between the building distributors and/or floor distributors.
Suitable for laying in cable trays, ducts and vertical shafts.
Can also be spliced in all FO distributors and joints.

OPTICAL CHARACTERISTICS

The cables are available with different types of optical fibre (see fibre data sheets).

MECHANICAL CHARACTERISTICS

Temperature range	storage:	-25 / +70°C	EN 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)

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PRODUCT INFORMATION

Description	No. of fibres	Loose tubes	Sheath Ø	Weight	Bending radius	Tensile load	Crush resistance		Fire load	
U-DQ(ZN)BH n x m	max.	max.	mm	kg/km	mm	N	continuous N	short term N	kWh/km	MJ/km
FO Universal 1 x 12	12	1	7.6	68	115	1000	2000	5000	275	990
FO Universal 2 x 12	24	2	9.5	96	140	1000	2000	5000	430	1548
FO Universal 1 x 24	24	1	8.2	79	125	1000	2000	5000	336	1210

VERSIONS

U-DQ(ZN)BH n x m	Fibres	Article No.	Article No.	Article No.	Article No.	Article No.
Bezeichnung	number	E9/125 G.652.D	G50/125 OM2	G50/125 OM3	G50/125 OM4	G62.5/125 OM1
FO Universal 1 x 4	4	190203	185938	185989	192712	185590
FO Universal 1 x 6	6	190204	186459	190112	-	186355
FO Universal 1 x 8	8	190205	186300	185959	187363	185934
FO Universal 1 x 12	12	190077	185935	186350	191251	186005
FO Universal 2 x 12	24	190071	186356	186432	191252	186487
FO Universal 1 x 24	24	187354	186595	191755	192713	191753
FO Universal-Hybrid 1x 12 E9 + 1x 12 G50*24	-	190378	190137	192724	-	-

* 12 fibres E9 in the red loose tube, 12 fibres G50 in the green loose tube