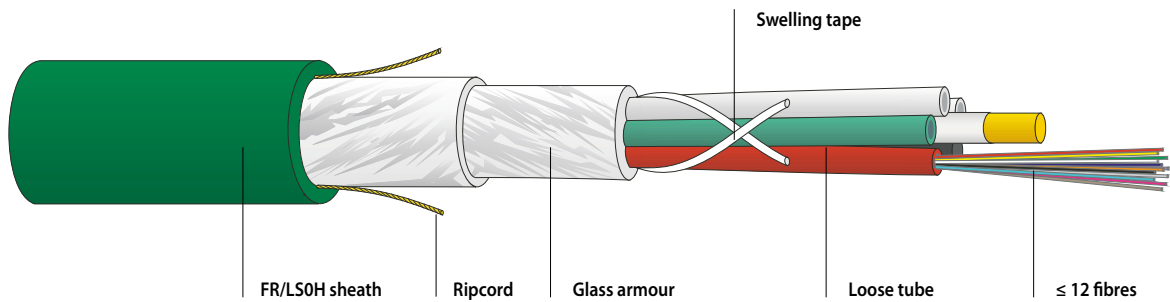


**FIBRE OPTIC UNIVERSAL CABLES**

**FO Universal U-DQ(ZN)BH**

for indoor and outdoor use, up to 144 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 stranded 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	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)

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non metallic, dry interstices,

rodent protection, flame retardant,

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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 n x m		max.	max.	mm	kg/km	mm	N	continuous N	short term N	kWh/km	MJ/km
FO Universal	5 x 12	60	5	11.4	148	175	6000	3000	5000	616	2218
FO Universal	6 x 12	72	6	12.2	164	185	6000	3000	5000	681	2452
FO Universal	8 x 12	96	8	13.5	198	205	6000	3000	5000	808	3200
FO Universal	10 x 12	120	10	14.8	230	225	6000	3000	5000	936	3369
FO Universal	12 x 12	144	12	16.3	272	245	6000	3000	5000	1075	3870

### VERSIONS

U-DQ(ZN)BH n x m	Fibres	Article No.	Article No.	Article No.	Article No.	Article No.	
Description	number	E9/125 G.652.D	G50/125 OM2	G50/125 OM3	G50/125 OM4	G62.5/125 OM1	
FO Universal	3 x 12	36	190207	186434	auf Anfrage	192678	186488
FO Universal	4 x 12	48	190208	187291	186486	191278	187292
FO Universal	5 x 12	60	190209	190618	186642	on request	on request
FO Universal	6 x 12	72	190210	187344	186539	on request	on request
FO Universal	8 x 12	96	186747	on request	186540	192714	on request
FO Universal	10 x 12	120	190211	on request	186536	on request	on request
FO Universal	12 x 12	144	190212	186616	191710	192715	on request