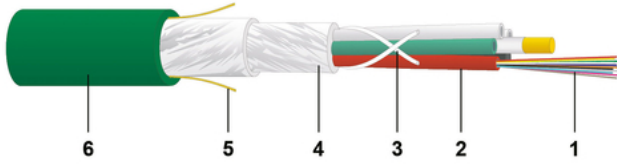


# FO Universal DLTS wbGGFR / U-DQ(ZN)BH

up to 144 fibres, Euroclass B<sub>ca</sub>

metal-free, dry interstices, gel-free loose tube,  
rodent protection, flame retardant, longitudinally watertight



- 1 ≤ 12芯
- 2 松套管
- 3 聚酯扎纱
- 4 玻璃纤维
- 5 撕裂绳
- 6 FR/LSOH外护套



## 描述

Robust, metal-free fibre optic outdoor and indoor cable with stranded dry loose tubes.  
High crush resistance for high transmission reliability.  
Easy to handle due to cable construction with dry interstices and gel-free loose tubes.  
Longitudinal water-tightness by swelling yarn.  
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.

## 应用

用于网络主干区域。  
用于楼宇或者楼层之间的连接。  
适合敷设在水平,垂直桥架或者穿管安装。  
可以和所有的光纤连接器配套。

## 光学特性

该缆线可适用于不同种类的光缆(详见光缆产品手册)。

## 机械性能

贮存温度:	-25 °C - +70 °C
安装温度:	-10 °C - +50 °C
操作温度:	-25 °C - +70 °C
拉伸性能:	IEC 60794-1-21 E1
抗压能力:	IEC 60794-1-21 E3
冲击力:	IEC 60794-1-21 E4
反复弯曲:	IEC 60794-1-21 E6
扭转性能:	IEC 60794-1-21 E7
弯曲性能:	IEC 60794-1-21 E11
渗水性能:	IEC 60794-1-22 F5

## 标准

UV resistance	EN 50289-4-17:2015 (UVA-340)
对火反应 (欧洲防火等级)	EN 13501-6: B <sub>2ca</sub>
Imprint	DATWYLER «cable type» «Datwyler designation» «DIN designation» «no. of fibres» «fibre type» «add. text» «batch no.» «meter marks»
无卤, 燃烧气体无腐蚀性	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2
火焰蔓延	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Flame spread	IEC 60332-3-24
烟密度	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2

## 订购信息

产品型号	DoP 产品	Reaction to fire (Euroclasses)	Number of Loose fibres	外护套 光纤 颜色	外护套 重量 [mm]	Bending radius [mm]	拉力负荷, 长期 [N]	拉力负荷, 短期 [N]	压扁力 长 期 [N]	压扁力 短 期 [N]	Fire load [kWh/m]	单位
19609600BZ	FO Universal DLTS 1x12	B2ca-s1a,d1,a1	12	绿色 E9/125 G.652.D OS2	11.4	175	5000 N	9000 N	1500 N	5000 N	0.51	by the metre

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19611200BZ	FO Universal DLTS 2x12	B2ca-s1a,d1,a1	24	5	绿色	E9/125 G.652.D OS2	11.4	160	175	5000 N	9000 N	1500 N	5000 N	0.51	by the metre
19614700BZ	FO Universal DLTS 2x12	B2ca-s1a,d1,a1	24	5	绿色	G50/125 OM3	11.4	160	175	5000 N	9000 N	1500 N	5000 N	0.51	by the metre
19616700BZ	FO Universal DLTS 2x12	B2ca-s1a,d1,a1	24	5	绿色	G50/125 OM4	11.4	160	175	5000 N	9000 N	1500 N	5000 N	0.51	by the metre
19611300BZ	FO Universal DLTS 4x12	B2ca-s1a,d1,a1	48	5	绿色	E9/125 G.652.D OS2	11.4	170	175	5000 N	9000 N	1500 N	5000 N	0.51	by the metre
19614800BZ	FO Universal DLTS 4x12	B2ca-s1a,d1,a1	48	5	绿色	G50/125 OM3	11.4	170	175	5000 N	9000 N	1500 N	5000 N	0.51	by the metre
19616800BZ	FO Universal DLTS 4x12	B2ca-s1a,d1,a1	48	5	绿色	G50/125 OM4	11.4	170	175	5000 N	9000 N	1500 N	5000 N	0.51	by the metre
19613100BZ	FO Universal DLTS 6x12	B2ca-s1a,d1,a1	72	6	绿色	E9/125 G.652.D OS2	12.2	162	185	5000 N	9000 N	1500 N	5000 N	0.539	by the metre
19613200BZ	FO Universal DLTS 8x12	B2ca-s1a,d1,a1	96	8	绿色	E9/125 G.652.D OS2	13.5	197	205	5000 N	9000 N	1500 N	5000 N	0.65	by the metre
19614900BZ	FO Universal DLTS 8x12	B2ca-s1a,d1,a1	96	8	绿色	G50/125 OM3	13.5	197	205	5000 N	9000 N	1500 N	5000 N	0.65	by the metre
19616900BZ	FO Universal DLTS 8x12	B2ca-s1a,d1,a1	96	8	绿色	G50/125 OM4	13.5	197	205	5000 N	9000 N	1500 N	5000 N	0.65	by the metre
19613300BZ	FO Universal DLTS 10x12	B2ca-s1a,d1,a1	120	10	绿色	E9/125 G.652.D OS2	14.8	236	225	5000 N	9000 N	1500 N	5000 N	0.788	by the metre
19609700BZ	FO Universal DLTS 12x12	B2ca-s1a,d1,a1	144	12	绿色	E9/125 G.652.D OS2	16.3	288	245	5000 N	9000 N	1500 N	5000 N	0.958	by the metre
19615000BZ	FO Universal DLTS 12x12	B2ca-s1a,d1,a1	144	12	绿色	G50/125 OM3	16.3	287	245	5000 N	9000 N	1500 N	5000 N	0.958	by the metre
19617000BZ	FO Universal DLTS 12x12	B2ca-s1a,d1,a1	144	12	绿色	G50/125 OM4	16.3	287	245	5000 N	9000 N	1500 N	5000 N	0.958	by the metre

EN 60332-3-Series superseded by EN 50575