

Aerial Metallic Self Supported ULW

ULW 96F 8X12 SP2037 (PIA)

ULTRA LIGHT WEIGHT CABLE 96 FIBRES WITH 8 MICROMODULES CONTAINING 12 FIBRES

This cable is used for Access, Distribution, City Network and FTTx applications.

It is Openreach PIA approved for overhead installation on poles, fully compliant with CP08 and can be also installed by pulling into ducts in underground environment.

Maximum span length is 68m.

Characteristics & Applications

- Metallic strength members
- 12 fibres microbundles - soft, flexible and easy peelable by hand.
- Waterproof dry core structure
- Small size design to minimize the effect of ice and wind
- Fully compatible with the reference BT toolings for cable opening
- Breaking load < 2000N

Fibre Type

- G657A1 with 200µm coating

Construction

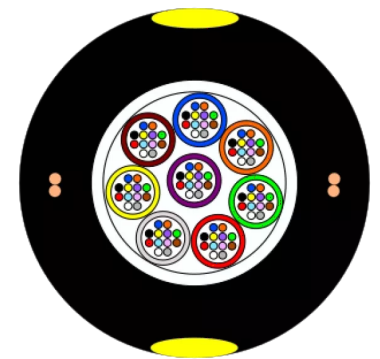
- Jelly filled microbundles containing 12 coloured fibres
- Swellable yarns
- HDPE outer sheath with embedded metallic brass coated steel wires
- Colour : Black outer sheath with 2 yellow stripes at 180°

Approved accessories

- PLP FODE 5710070R

Our ULW cables are made in Western Europe

Optical Fibre Properties



STANDARDS

Customer specification
IEC 60793
IEC 60794

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

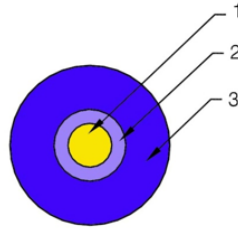
Description and Applications

The fibre, made of a germanium doped silica core and a silica cladding, is protected with a resistant 200 micron coating. These fibres are totally compliant with international standards ITU-T G.657.A1 series while maintaining compatibility with G.652.D.



Characteristics

- Doped Silica Core
- Superior bending performance



Construction

- 1 : Core
- 2 : Cladding
- 3 : Coating

Nominal dimensions & technical parameters

Characteristics		G.657.A1	
Optical	Wavelength (nm)	1310	1550
	Attenuation (dB/km)		
	• Nom.	≤ 0.34	≤ 0.19
	• Max.	≤ 0.36	≤ 0.22
	Zero Dispersion Wavelength (nm)	1300 - 1324	
	Zero Dispersion Slope (ps/nm ² .km)	≤ 0.092	
	Polarization Mode Dispersion (ps/√km)	≤ 0.2	
	Concatenated Polarization Mode Dispersion (ps/√km)	≤ 0.08	
	Mode Field Diameter (1310 nm) (μm)	8.6 ± 0.4	
	Cable cut-off Wavelength (nm)	≤ 1260	
Dimensions	Chromatic Dispersion (1550 nm) (ps/nm.km)	≤ 18	
	Bending diameter (mm) induced attenuation (@ 1550/1625 nm) (dB)	20mm x 1 turn:	≤ 0.75/1.5
		30mm x 10 turns:	≤ 0.25/1.0
	Cladding Diameter (μm)	125 ± 0.7	
	Core/Cladding concentricity error (μm)	≤ 0.4	
	Coating diameter (Colored) (μm)	205 ± 7	
Cladding Non Circularity (%)	≤ 0.5		
Proof Stress Level (%)	1.2%		

Micromodule Color Coding

1	2	3	4	5	6	7	8
Blue	Orange	Green	Brown	Grey	White	Red	Black

Fibre Color Coding

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

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Characteristics

结构特性

光纤类型	G657A1 - 200 µm
外护套	HDPE
不含金属	No
加强构件	Steel rods
结构类型	多束管

尺寸特性

管数	8
近似重量	38 kg/km
光纤数	96
标称外径	7.0 mm

机械特性

允许牵引负载	65 daN
耐冲击 (EN 187 000)	10 J
耐挤压 (IEC 794-1-E3)	200 N/cm

使用特性

防啮齿保护	无
操作温度, 范围	-20...70 °C
存储温度范围	-40...70 °C
安装类型	架空 - 自承式
环境安装温度, 范围	0...40 °C
敷设时弯曲系数	20 (xD)

文件

Tableau de charge aérien ULW_3.xlsx xlsx — 12.17 KB [下载](#) ↓

Optical Fibre Properties docx — 104.48 KB [下载](#) ↓

PLP FODE 5710070R DEADENDS pdf — 124.64 KB [下载](#) ↓

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销售和交付信息

MARKING : Aginode FIBRE OPTIC CABLE - ULW OH/UG CABLE SP2037 8x12SM G657A1 YY/WW N°OF cccccM

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