

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

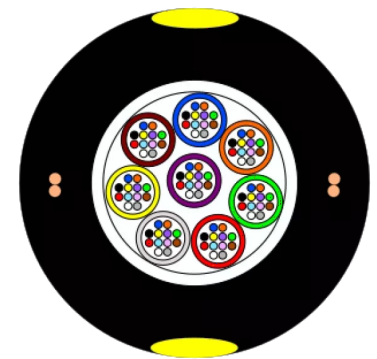
- Jelly filled microbundles containing 12 coloured fibres
- Swellable yarns
- HDPE outer sheath with embedded metallic brass coated steel wires
- Colour : Black outer sheath with 2 yellow stripes at 180°

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.

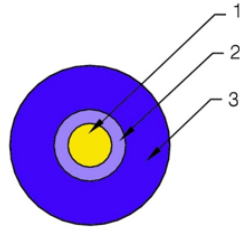
Description and Applications

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

Construction characteristics

Fiber optic type	G657A1 - 200 µm
Outer sheath	HDPE
Metal free	No
Strength member	Steel rods
Construction type	Multibundle

Dimensional characteristics

Number of tubes	8
Approximate weight	38 kg/km
Number of optical fibres	96
Nominal outer diameter (mm)	7.0 mm

Mechanical characteristics

Maximum admissible traction load (Tm)	65 daN
Impact resistance (EN 187 000)	10 J
Crush resistance (IEC 60794-1-E3)	200 N/cm

Usage characteristics

Rodent protection	No
Operating temperature, range	-20...70 °C
Storage temperature, range	-40...70 °C
Installation type	Aerial - self-supporting
Ambient installation temperature, range	0...40 °C
Bending factor when laying	20 (xD)

ドキュメンテーション

Tableau de charge aérien ULW_3.xlsx xlsx — 12.17 KB [ダウンロード ↓](#)

Optical Fibre Properties docx — 104.48 KB [ダウンロード ↓](#)

PLP FODE 5710070R DEADENDS pdf — 124.64 KB [ダウンロード ↓](#)

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販売および配送情報

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

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