



Pre-Terminated Blown Fibre Unit

25m - 300m

Application / Product Description

The Blown Fibre Unit (BFU) is a pre-connectorised blowable fibre assembly designed for last mile deployment including FTTH (Fibre to the Home) applications.

Engineered for rapid installation, the BFU combines a factory fitted connector on one end with a blowable ferrule and bare end for termination on the opposite end, allowing for integration into a wide range of customer premise and network access enclosures.

The BFU is available in lengths of 25m to 300m, in 25m increments and is supplied on a pre-assembled compact spool.

Features and Benefits:

- Pre-connectorised for ease of installation
- Standard product available in LC/APC Grade B Connectors (other configurations available on request)
- Standard single fibre connection (other configurations available on request)
- Range from 25m to 300m (other lengths available on request)
- G657.A1 fibre
- Compliant with IEC 60794



Pre-Terminated Blown Fibre Unit.

Cable Construction

Description	Specification	
Fibre Type	G657.A1	
No. of Fibres	2	
Fibre Colour & Identification	1	Red
	2	Blue
Coating Material	UV curable Acrylate Resin	
Outer Sheath	HDPE	
Cable Diameter (mm)	1.2 ± 0.2	
Colour	Yellow	

Cable Performance Specification

Parameter	Unit	Specification		
Attenuation	dB/km	1310nm	≤0.40	
		1383nm	≤0.40	
		1550nm	≤0.30	
Chromatic Dispersion	Ps/nm.km	1285nm	≤3.5	
		1330nm		
		1550nm	≤18	
Zero Dispersion Wavelength	nm	1300 ~ 1324		
Zero Dispersion Slope	Ps/nm².km	≤0.092		
Cable PMD (PMDQ)	Ps/√km	≤0.2 (20 section link)		
Cut-off Wavelength (λ _{cc} , Cabled Fibre)	nm	≤1260		
Attenuation vs. Bending	dB	15mm radius x 1 turn	1550nm	≤0.25
			1625nm	≤1.0
		10mm radius x 1 turn	1550nm	≤0.75
			1625nm	≤1.5
Mode Field Diameter	μm	1310nm	8.9 ± 0.4	
Core /Cladding Concentricity Error	μm	≤0.5		
Cladding Diameter	μm	125 ± 0.7		
Cladding Non-circularity	%	≤1.0		
Coating Diameter	μm	245 ± 10		
Proof Test	Gpa	≥0.69		



Connector Performance Specification

Parameter	Unit	Specification		
Insertion Loss ¹	dB	≤0.25 (Max. 97% of connections)		
Return Loss		≥60		
Durability		Adaptor repeat combination No. of cycles 500	Insertion Loss Increment ≤0.20	
			Return Loss ≥60	
Retention Force		1.0kgf/10s	Insertion Loss Increment ≤0.20	
			Return Loss ≥60	
Temperature	°C	-40 ~ 75	Insertion Loss Increment ≤0.5dB	
			Return Loss ≥60	
Blowing Distance	M	≥1000		

¹ Random mating testing according to IEC 61300-3-24