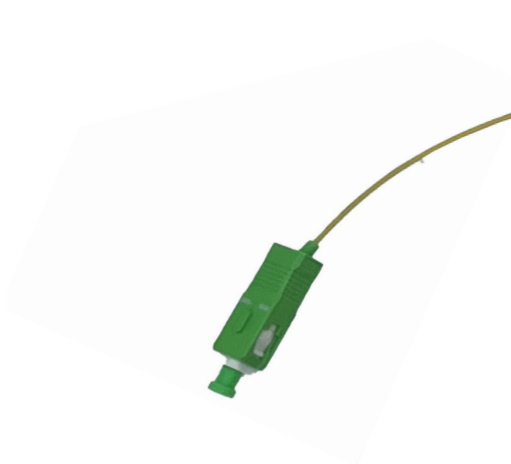
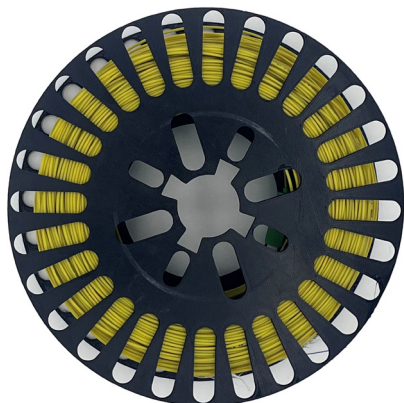


Broadband Systems

Connectix Pre-Term BFU (Blown Fibre Unit)

The Connectix pre-terminated BFU is suitable for blowing within microducts in all FTTX deployments.

Manufactured using a small cable diameter, bend insensitive G.657.A1/A2 or B3 singlemode fibre and a low friction sheath, the BFU can easily reach long distances with high quality blowing performance. The individual cores are firm in structure whilst allowing easy stripping and preparation aimed at reducing installation time on site. The Connectix BFU blown fibre cables are terminated with Senko's LC/APC or SC/APC Blown Fibre Connector for ultimate low loss fibre performance.



Features and Benefits

- Ultra slim low friction performance
- Available in G.657.A1, G.657.A2 and G.657.B3 ITU-T singlemode types
- Strong cable structure
- Yellow outer sheath colour
- Easy strip fibres, soft acrylate coated
- Supplied on recyclable plastic or cardboard reels
- GPON / POL Solution
- FTTH, FTTP, MDU, SDU, SMDU suitable

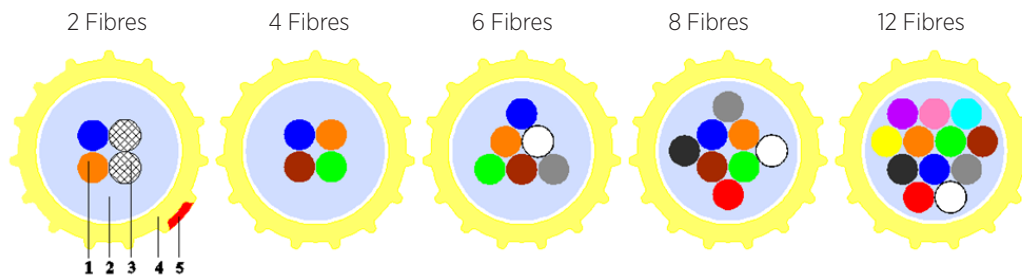
Technical Specification						
Fibre Count	1 Fibre	2 Fibres	4 Fibres	6 Fibres	8 Fibres	12 Fibres
Outer Diameter (mm)	1.15±0.05	1.15±0.05	1.15±0.05	1.35±0.05	1.55±0.05	1.65±0.05
Weight (g/m)	1.0	1.0	1.0	1.35	1.8	2.2
Min Bend radius (mm)	50	50	50	60	80	80
Temperature	Storage -30°C +70°C Operation -30°C +70°C Installation -5°C +50°C					
Structure	2 fibre unit consists of 2 filled fibres for enhanced blowing performance and ease of fibre stripping					
Attenuation	0.40dB/km max @1310nm 0.30dB/km max @1550nm					

Mechanical Performance			
Test	Standard	Parameters	Test Results
Tension	EN 18700 A1/501 IEC 60794-1-2-E1	Load is 1×W	Additional attenuation ≤0.05dB after test
Bend	IEC 60794-1-2--E11A	Diam 40mm×3turns 5 cycles at 20°C	Additional attenuation ≤0.05dB,after test
Crush	IEC 60794-1-2-E3	100 N, 60s	Additional attenuation ≤0.05dB,after test

All optical testing proceeded at 1550 nm

Broadband Systems

Connectix Pre-Term BFU (Blown Fibre Unit)



1. Optical Fibre
2. Resin
3. +2 'Filled' Fibres
4. Low Friction Sheath
5. Groove

Fibre Colour Code (custom colour codes available on request)

NO.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

Blown Fibre Connector Specifications

- Designed for blown fibres units/bundles with encapsulation/acrylic diameter of $\leq \varnothing 1.1\text{mm}$
- Designed for blown fibres units/bundles with low friction sheath diameter of $\leq \varnothing 1.8\text{mm}$
- Blowing range in excess of 1km
- Ferrule suitable for Microduct with internal diameter of $\geq \varnothing 3.2\text{mm}$
- All the materials comply with RoHS

Single Mode	
Insertion Loss	Max 0.25dB, Typically ≤ 0.15 dB (APC)
Return Loss	$\geq 65\text{dB}$ Typical (APC)
Durability	500 times as per IEC End face as per IEC 61754-20 LC family
Operating Temperature	-40°C TO +75°C
Ferrule Hole Size	126 μm +1/-0 Concentricity: $\leq 1\mu\text{m}$
	125 μm +1/-0 Concentricity: $\leq 1\mu\text{m}$
	125.5 μm +1/-0 Concentricity: $\leq 1\mu\text{m}$

Broadband Systems

Connectix Pre-Term BFU (Blown Fibre Unit)

Ordering Information	
Product Description	Part Number
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – LC/APC 25-mtr	009-205-0250-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – LC/APC 50-mtr	009-205-0500-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – LC/APC 75-mtr	009-205-0750-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – LC/APC 100-mtr	009-205-1000-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – LC/APC 150-mtr	009-205-1500-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – LC/APC 175-mtr	009-205-1750-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – LC/APC 200-mtr	009-205-2000-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – LC/APC 250-mtr	009-205-2500-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – LC/APC 300-mtr	009-205-3000-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – SC/APC 25-mtr	009-206-0250-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – SC/APC 50-mtr	009-206-0500-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – SC/APC 75-mtr	009-206-0750-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – SC/APC 100-mtr	009-206-1000-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – SC/APC 150-mtr	009-206-1500-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – SC/APC 175-mtr	009-206-1750-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – SC/APC 200-mtr	009-206-2000-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – SC/APC 250-mtr	009-206-2500-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 SC/APC – LC/APC 300-mtr	009-206-3000-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 LC/APC – LC/APC 25-mtr	009-207-0250-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 LC/APC – LC/APC 50-mtr	009-207-0500-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 LC/APC – LC/APC 75-mtr	009-207-0750-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 LC/APC – LC/APC 100-mtr	009-207-1000-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 LC/APC – LC/APC 150-mtr	009-207-1500-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 LC/APC – LC/APC 175-mtr	009-207-1750-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 LC/APC – LC/APC 200-mtr	009-207-2000-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 LC/APC – LC/APC 250-mtr	009-207-2500-01
Connectix Pre-terminated BFU 1-fibre G.657.A1 LC/APC – LC/APC 300-mtr	009-207-3000-01