

## Blown Fibre Units (EPFU)

Utilising its core competencies in the manufacturing and cabling of optical fibre, Prysmian produces optical fibre units specifically engineered for Blown Fibre applications. The fibres are contained in a soft inner acrylate layer which cushions the fibres, an outer harder layer which protects the fibre from damage and a low friction layer that assists in improving blowing distance, which is typically in excess of 1000 metres. The Sirocco units are available in a range of lengths up to 6000 metres.

### Technical Details

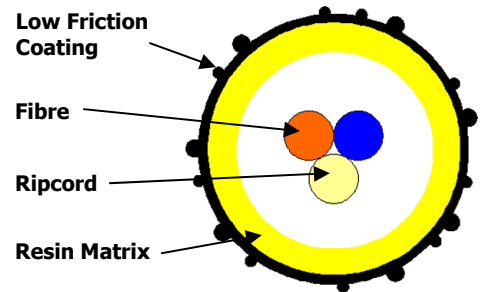
Diameter	1.0 mm
Weight	0.8 g/m
Breakout	2 minutes (typical)
Blowing distance	1000m (typical)
Fibres	two + ripcord
Fibre Colours	blue, orange
Packaging	fibre rosette into pan
Fibre Types	SM, MM50/125, MM62.5/125, OM3

Diameter	1.0 mm
Weight	0.8 g/m
Breakout	3 minutes (typical)
Blowing distance	1000m (typical)
Fibres	four
Fibre Colours	blue, orange, green, red
Packaging	fibre rosette into pan
Fibre Types	SM, MM50/125, MM62.5/125, OM3

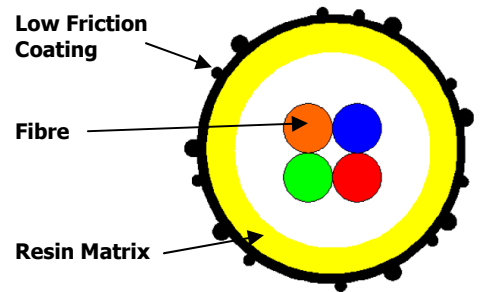
Diameter	1.4 mm
Weight	1.5 g/m
Breakout	5 minutes (typical)
Blowing distance	1000m (typical)
Fibres	eight
Fibre Colours	blue, orange, green, red, violet, grey, yellow, brown
Packaging	fibre rosette into pan
Fibre Types	SM, MM50/125, MM62.5/125, OM3

Diameter	1.3 mm
Colour	grey
Weight	1.64 g/m
Breakout	8 minutes (typical)
Blowing distance	1000m (typical)
Fibres	twelve
Fibre Colours	blue, orange, green, red, violet, grey, yellow, brown, black, white, pink, turquoise
Packaging	fibre rosette into pan
Fibre Types	SM, MM50/125, MM62.5/125, OM3

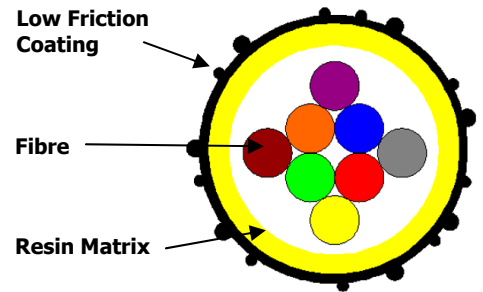
### 2 Fibre Unit



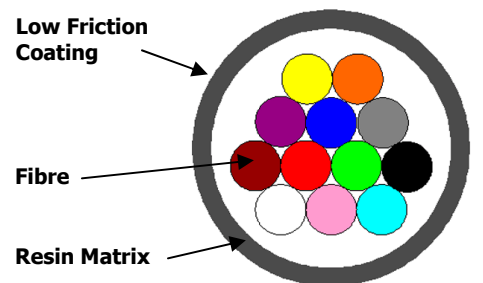
### 4 Fibre Unit



### 8 Fibre Unit



### 12 Fibre Unit



## Detailed Specification

Properties Mechanical	International Standard	Test Conditions	Performance
Tensile strength	IEC 60794-1-2-E1	1W N (9.81x mass of 1km)	Pass Maximum fibre strain = 0.4 % Residual fibre strain = 0.05 % Note 1, Note 2
Crush	IEC 60794-1-2-E3	100 N 60 s	Pass Note 1, Note 2
Bend	IEC 60794-1-2-E11	40 mm (2&4f) 60 mm (8f)	Pass Note 1, Note 2
Aged bend	BT CW1500 pt 4	40 mm (2&4f) 60 mm (8f) 60°C, 1000 hrs	Pass Note 1

### Environmental

Temperature performance	IEC 60794-1-2-F1	-10 °C to + 60°C 3 cycles	Pass note 3, note 4
Cold test	BS EN 60068-2-1	-20 °C, 96 hrs	Pass note 3, note 4
Condensation test	IEC 60068-2-38	-10°C to + 65 °C , 93% RH, 24hrs x 10	Pass note 3, note 4
Water immersion	BT CW1500 pt 4	20 °C ± 5 °C 2000 hrs	Pass note 3, note 4
Fibre breakout from unit	BT CW1500 pt 4	0°C , 20°C, 40°C, 2 m	under 3 minutes (2&4 f) under 5 minutes (8 f)

- Note 1           no significant damage  
 Note 2           no change in attenuation after test  
 Note 3           Pass for singlemode = ± 0.07 dB/km at 1310 nm and 1550 nm  
 Note 4           Pass for multimode = ± 0.25 dB/km at 850 nm and 1300 nm

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