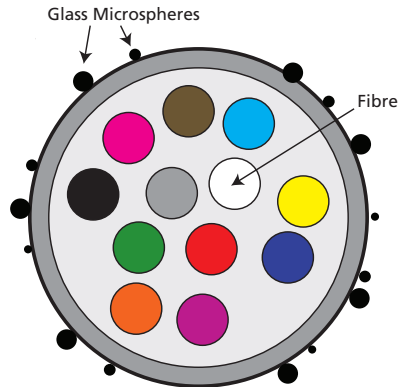


TrueNet®

Blown Fibre Unit 12F Singlemode (OS1)



Blown fibre unit

ADC KRONE produces optical fibre units specifically engineered for blown fibre applications. The fibres are contained in a soft inner acrylate layer which cushions the fibres and an outer harder layer which protects the fibres from damage. Glass microspheres, added to the outer layer during manufacturing, provide a low friction layer that assists in improving blowing distances, which are typically in excess of 750 metres. The blown fibre units are identified by a colour coded outer layer.

Features

- Colour coded outer layer identifies the grade of fibre in the unit
- Blowing distances in excess of 750 metres
- Fibre units are manufactured to British Telecom Specifications.

Key Benefits

- Fibres already installed can be removed and replaced with a higher fibre count, ensuring future capacity of the installation
- Once removed, the fibres can be re-used at another site, helping to keep the cost of installation down
- Fibres can be deployed from an external location to the internal presentation point, removing the need to splice at the building entry point.

TECHNICAL DATA

Ordering Information

Manufactured according to BT specification CW1574.

Description	Catalogue Number
Blown fibre, singlemode, 12 fibre cores, 500m	7032 1 401-12
Blown fibre, singlemode, 12 fibre cores, 1,000m	7032 1 401-13
Blown fibre, singlemode, 12 fibre cores, 1,500m	7032 1 401-03
Blown fibre, singlemode, 12 fibre cores, 2,000m	7032 1 401-14
Blown fibre, singlemode, 12 fibre cores, 4,000m	7032 1 401-15

Technical Data

Optical properties		Value	Units
Attenuation coefficient	1310 nm	≤0.40	dB/km
	1550 nm	≤0.30	dB/km
Mode field diameter	Petermann II	9.2 ± 0.4	µm
Cut-off wavelength (cabled)	λ _{cc}	≤1260	nm
Dispersion	1285 - 1330 nm	≤3.5	ps/nm.km
	1550 nm	≤18	ps/nm.km
Zero dispersion wavelength	λ _o	1300 - 1324	nm
	Slope	≤0.092	ps/nm ² .km

Geometrical properties

Reference surface diameter	125 ± 1	µm
Core to cladding concentricity error	≤0.8	µm
Reference surface non-circularity	≤2.0	%
Coating diameter (coloured)	245 ± 10	µm

Physical properties

Temp Cycling	-30 - +70°C
Stiffness	3.5 x 10 ⁻⁵ Nm ²
Crush	100N for 1 min
Repeated Minimum Bend	60mm, 5 turns, 3 cycles

Specifications

Diameter:	1.38 mm
Colour:	Grey
Weight:	1.66 g/m
Breakout:	≤1 minutes (typical)
Blowing Distance:	750 m (typical)
Fibre count:	twelve
Colours:	Blue, orange, green, red, violet, grey, yellow, brown, black, white, pink, turquoise
Packaging:	Fibre on reel

TECHNICAL DATA



KRONE



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