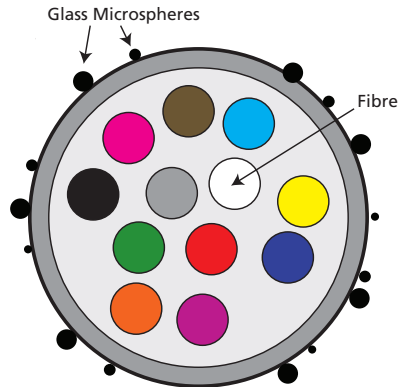


TrueNet®

Blown Fibre Unit 12F Multimode 50/125 (OM3)



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 1,000 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 1,000 metres
- Effective Modal Bandwidth $\geq 2000\text{MHz.km}$.

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
- OM3 enables 10Gbe transmission over 300 metres allowing complete Riser and Backbone coverage.

TECHNICAL DATA

Ordering Information

Manufactured according to BT specification CW1573.

Description	Catalogue Number
Blown fibre, multimode 50/125, 12 fibre cores, 500m	7032 1 406-13
Blown fibre, multimode 50/125, 12 fibre cores, 1,000m	7032 1 406-14
Blown fibre, multimode 50/125, 12 fibre cores, 2,000m	7032 1 406-15

Technical Data

Optical properties

		Value	Units
Attenuation coefficient	850 nm	≤2.6	dB/km
	1300 nm	≤0.8	dB/km
Modal bandwidth	850 nm	≥ 1500	MHz.km
	1300 nm	≥ 500	MHz.km
Effective Modal bandwidth	850 nm	≥ 2000	MHz.km
10Gbe Transmission distance		300	m

Geometrical properties

Cladding diameter	125 ± 2	µm
Core diameter	50 ± 3	µm
Core to cladding concentricity error	≤3	%
Cladding non-circularity	≤2.0	%
Coating diameter (coloured)	250 ± 15	µm

Physical properties

Proof test level	≥ 1.0	%
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Specifications

Diameter:	1.4 mm
Colour:	Grey
Weight:	1.5 g/m
Breakout:	≤ 5 minutes (typical)
Blowing Distance:	1000 m (typical)
Fibre count:	twelve
Colours:	Blue, orange, green, red, violet, grey, yellow, brown, black, white, pink, turquoise
Packaging:	Fibre rosette into pan

TECHNICAL DATA



KRONE



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