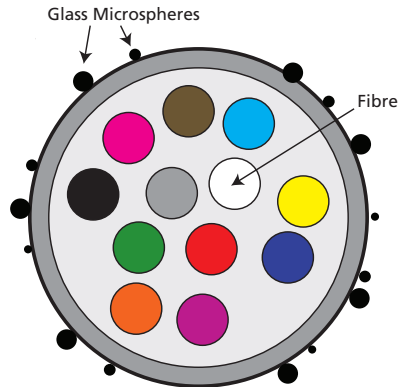


TrueNet®

Blown Fibre Unit 12F Multimode 50/125 (OM3e)



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 $\geq 4700\text{MHz.km}$.

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
- OM3e enables 10Gbe transmission over 550 metres allowing coverage of Campus and Backbone applications, whilst removing the need for expensive SM Hardware.

TECHNICAL DATA

Ordering Information

Manufactured according to BT specification CW1573.

Description	Catalogue Number
Blown fibre, multimode 50/125, 12 fibre cores, 500m	7032 1 407-13
Blown fibre, multimode 50/125, 12 fibre cores, 1,000m	7032 1 407-14
Blown fibre, multimode 50/125, 12 fibre cores, 2,000m	7032 1 407-15

Technical Data

Optical properties

		Value	Units
Attenuation coefficient	850 nm	≤2.6	dB/km
	1300 nm	≤0.8	dB/km
Modal bandwidth	850 nm	≥ 3500	MHz.km
	1300 nm	≥ 500	MHz.km
Effective Modal bandwidth	850 nm	≥ 4700	MHz.km
10Gbe Transmission distance		550	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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