Air Blown Fibre - Stingray G657A1

Product Overview

The Hexatronic Stingray air blown fibre is designed with durability and performance in mind. The unique design offers a combination of properties previously not available on the market. A sturdy fibre unit with state of the art fibre blowing performance increases the installation success rate and provides quick and problem free installation. The Stingray has a unique sheath material with zero sheath shrinkage, which means no fragile splice points or sensitive installations in wall outlets or fibre cabinets.

The air blown fibre unit is coloured dark blue for good visibility when installed in semi-translucent microducts.

The air blown fibre is delivered in bulk lengths in cardboard PAN's.

Features

- Extra strong and durable design
- Smooth low friction sheath
- 2, 4, 8 or 12 fibre, G657A1 bend resistant fibres
- Supplied in sustainable cardboard pans up to 6km
- Extra wide operational temperature range
- Water and ice tested
- State of the art blowing performance
- Zero sheath shrinkage

Application

The Hexatronic Stingray air blown fibre unit is a high performance fibre unit intended for blowing into microducts. The main application area is for fibre access networks such as FTTH.

Typical Data

Temperature range

Operation……...…..45 to +70ºC

Operation, temporarily……-50 to 85ºC

Transport and storage……..45 to 70ºC

Handling and installation……..-15 to +60ºC

Fibre unit type

Diameter (mm) ……1.1 (2-4f) 1.25 (6f) 1.4 (8-12f)

Weight (g/m) ……..……..1.0 (2-4f) 1.5(6f) 1.8 (8-12f)

Bend radius

Temporarily and under installation (mm)

≥ 15 (2-4f) 20 (6f) 30 (8-12f)

Permanently (mm)

≥ 20 (2-4f) 25 (6f) 35 (8-12f)

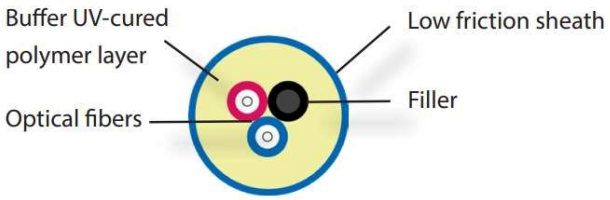
Kink……..IEC 60794 1-2 method E10

Crush……..IEC 60794 1-2 method E3, 500N

Bend……..……...IEC 60794 1-2 method E11

Design

A 2 fibre unit is shown below. A mechanical filler is used in the 2 fibre unit. The sheath is coloured dark blue.



Installation performance verification :

IEC 60794-5-20

Hexatronic standard test track (1000m)

Tensile force

During installation (N) 5 (2f) 10 (4f) 17.5 (6f)
20 (8f) 30 (12f)

Water immersion and repeated freeze test:

Hexatronic standard test –25, to +15ºC

Colour, sheath:

Dark blue

Optical fibre cable colour codes:

Cityfibre colour code.

Transmission Characteristics

Attenuation	@ 1310nm	@ 1383nm	@ 1550nm	@ 1625nm
Typical	0.32dB/km	0.32dB/km	0.18dB/km	0.20dB/km
Max average in Cable	0.33dB/km	0.33dB/km	0.21dB/km	0.23dB/km
Max individual	0.36dB/km	0.36dB/km	0.23dB/km	0.25dB/k

Colour code system

Ordering Information

Part number	Description
CFMDU-KPRM2580xx/xxxxM	Stingray Air Blown Fibre 4f - 12f A1