



High Performance Air Blown Fiber – 24 Fiber

24 fiber G657A1 S12 200 μm - Box

Features

- Super slim design with 200 μm fibers
- Extra strong and durable design
- Smooth, low-friction sheath
- 24 fiber, G657A1 bend resistant fibers
- Temperature range from -40 to +70°C
- State of the art blowing performance
- Zero sheath shrinkage

Application

Hexatronic Stingray is a high performance Air Blown Fiber Unit intended for blowing into microducts. The main application area is for fiber access networks such as Fiber To The Home (FTTH).

Design

The Hexatronic Stingray Air Blown Fiber is designed with durability and performance in mind. The unique design offers a combination of properties previously not available on the market. A sturdy fiber unit with state of the art fiber 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 fiber cabinets.

The Air Blown Fiber unit is colored dark blue for good visibility when installed in semi-translucent microducts.

To enable installation into smallest possible microducts, the Hexatronic Stingray 200 series is designed with 200 μm fibers.

The Air Blown Fiber is delivered in bulk lengths in cardboard PANs. For optimum blowing performance, use the Hexatronic Air Blown Tool LTT 179 2040 for duct dimensions upto OD 8mm.

Product Information

- 1 Primary coated fiber: Silica, acrylate
- 2 Primary coating: UV-cured acrylate
- 3 Sheath: Low friction polyolefin

Technical Information

| | |
|---------------------------------------|------------|
| Product Color | Dark blue |
| Color Code | S12 |
| Temperature, Operation [°C] | -40 to +70 |
| Temperature, Storage [°C] | -40 to +70 |
| Temperature, Installation [°C] | -15 to +60 |
| Fiber Type | G657A1 |
| Attenuation @Wavelength [nm] | 1310/1550 |
| Maximum Attenuation [dB/km] | 0.38/0.25 |

Conformance

Air blown fiber: IEC 60794-5-20

Bend radius: IEC 60794-1-21, Method E11 (4 turns, 3 cycles)

Crush resistance: IEC 60794-1-21 Method E3

Kink: IEC 60794-1-21 Method E10

Tensile force during installation: IEC 60794-1-22, Method F1

Fiber parameters and tests according to the IEC series 60793-2 and 60793-1

Installation Notes

Typical installation performance:

- Ducts ID 3.5-4 mm: Recommended 500m, max 1000m
- Ducts ID 6mm: Recommended max 1000m

Installation performance is affected by the installed path, environmental conditions, installation equipment etc and actual performance may therefore deviate from the above specified values.

Use the 1.8mm fiber guides together with Hexatronic Air Blown Installation Tool.

- SXA1139428/3 – ABT Fiber Guide upper wider 1.8mm
- SXA1139427/3 – ABT Fiber Guide lower wider 1.8mm

Be careful during installation not to fall below the minimum bending radius to avoid kinking.

Minimum diameter for multiple bends is 235mm.

Ordering Information

Supplied lengths: 1000 or 2000 m

Delivered in cardboard boxes (550 x 550 x 160mm)

Articles

| Article name | Color | No. of Fibers | | Layout | Bend Radius [mm] | Tensile Force, Installation [N] | Diameter Ø [mm] | Weight [kg/km] | Length [m] | Form of Delivery |
|---|-----------|---------------|------|--------|------------------|---------------------------------|-----------------|----------------|------------|------------------|
| ABF 24 200um G657A1 PAN Stingray KRPM259102/1000M | Dark blue | 24 | 1x24 | 40 | 140 | 1.6 | 2.42 | 1000 | Box | |
| ABF 24 200um G657A1 PAN Stingray KRPM259102/2000M | Dark blue | 24 | 1x24 | 40 | 140 | 1.6 | 2.42 | 2000 | Box | |