

High Performance Air Blown Fiber – Super Slim

ABF 12-24 fiber G657A1 200 μ m TIA598 - Box

Features

- Super slim design with 200 μ m fibers
- Extra strong and durable design
- Smooth, low-friction sheath
- 12 or 24 fiber, G657A1 bend resistant fibers
- Extra wide operational temperature range
- 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

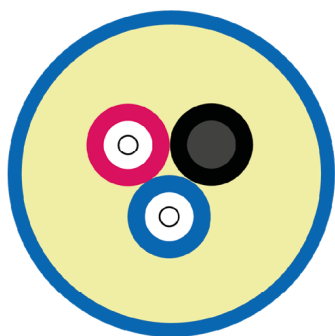
The Hexatronic Stingray Air Blown Fiber is designed with durability and performance in mind. The unique design offers a combination of properties previously not available on the market. A sturdy fiber unit with state of the art fiber blowing performance increases the installation success rate and provides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

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	TIA598
Temperature, Operation [°F]	-49 to +158 (-45 to +70°C)

Temperature, Storage [°F]	–49 to +158 (–45 to +70°C)
Temperature, Installation [°F]	+5 to +140 (–15 to + 60°C)
Fiber Type	G657A1
Attenuation @Wavelength [nm]	1310/1550
Maximum Attenuation [dB/km]	0.38/0.25
Conformance	<p>Air blown fiber: IEC 60794-5-20</p> <p>Bend radius: IEC 60794-1-21, Method E11</p> <p>Crush resistance: IEC 60794-1-21 Method E3</p> <p>Kink: IEC 60794-1-21 Method E10</p> <p>Tensile force during installation: IEC 60794-1-22, Method F1</p> <p>Fiber parameters and tests according to the IEC series 60793-2 and 60793-1</p>
Technical Notes	<p>Water immersion and repeated freeze test:</p> <p>Hexatronic standard test, 100 cycles, –25, to +15°C</p>
Installation Notes	<p>Typical installation performance:</p> <p>12 fiber: Ducts ID 3.5-4 mm: 1000 m (3280 ft)</p> <p>24 fiber: Ducts ID 3.5-4 mm: recommended 500 m, max 1000 m</p> <p>24 fiber: Ducts ID 6 mm: 1000 m</p> <p>Installation performance is affected by the installed path, environmental conditions, installation equipment etc and actual performance may therefore deviate from the above specified values.</p> <p>Use the correct fiber guides together with the Hexatronic Air Blown Installation Tool:</p> <p>12 fiber: SXA1139427/2 and SXA1139428/2</p> <p>24 fiber: SXA1139427/3 and SXA1139428/3</p> <p>Be careful during installation not to fall below the minimum bending radius to avoid kinking.</p> <p>Minimum diameter for multiple bends is 235mm.</p>
Ordering Information	<p>Supplied lengths:</p> <p>12 fiber: 1000, 2000, 4000, 6000 m</p> <p>24 fiber: 1000 m</p> <p>Delivered in cardboard boxes</p>

Articles 5

Article name	No. of Fibers Layout		Bend Radius [in]	Tensile Force, Installation [lbs]		Diameter Ø [mm]	Weight [lbs/kit]	Length [ft]
ABF 12 200um G657A1 PAN Stingray KRPM259101/1000M	12	1x12	1.0 (25mm)	15	1.3	1.1	3281ft (1000m)	
ABF 12 200um G657A1 PAN Stingray KRPM259101/2000M	12	1x12	1.0 (25mm)	15	1.3	1.1	6562ft (2000m)	
ABF 12 200um G657A1 PAN Stingray KRPM259101/4000M	12	1x12	1.0 (25mm)	15	1.3	1.1	13123ft (4000m)	
ABF 24 200um G657A1 PAN Stingray KRPM259102/1000M	24	1x24	1.6 (40mm)	30	1.6	1.63	3281ft (1000m)	
ABF 24 200um G657A1 PAN Stingray KRPM259102/2000M	24	1x24	1.6 (40mm)	30	1.6	1.63	6562ft (2000m)	