

# High Performance Air Blown Fiber – Super Slim

ABF 12-24 fiber G657A1 200  $\mu$ m TIA598 - Box

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## Features

- Super slim design with 200  $\mu$ 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

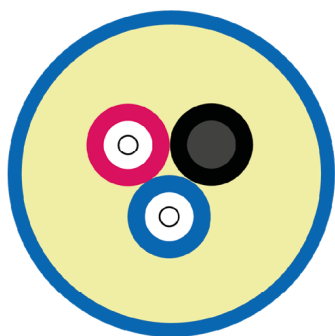
The Hexatronic Stingray Air Blown Fiber is designed with durability and performance in mind. The unique design offers a combination of properties previously not available on the market. A sturdy fiber unit with state of the art fiber blowing performance increases the installation success rate and provides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

<b>Product Color</b>	Dark blue
<b>Color Code</b>	TIA598
<b>Temperature, Operation [°C]</b>	-40 to +70

<b>Temperature, Storage [°C]</b>	–40 to +70
<b>Temperature, Installation [°C]</b>	–15 to +60
<b>Fiber Type</b>	G657A1
<b>Attenuation @Wavelength [nm]</b>	1310/1550
<b>Maximum Attenuation [dB/km]</b>	0.38/0.25
<b>Conformance</b>	<p><b>Air blown fiber:</b> IEC 60794-5-20</p> <p><b>Bend radius:</b> IEC 60794-1-21, Method E11</p> <p><b>Crush resistance:</b> IEC 60794-1-21 Method E3</p> <p><b>Kink:</b> 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>
<b>Technical Notes</b>	<p>Water immersion and repeated freeze test:</p> <p>Hexatronic standard test, 100 cycles, –25, to +15°C</p>
<b>Installation Notes</b>	<p>Typical installation performance:</p> <p><b>12 fiber:</b> Ducts ID 3.5-4 mm: 1000 m</p> <p><b>24 fiber:</b> Ducts ID 3.5-4 mm: recommended 500 m, max 1000 m</p> <p><b>24 fiber:</b> 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><b>12 fiber:</b> SXA1139427/2 and SXA1139428/2</p> <p><b>24 fiber:</b> 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>
<b>Ordering Information</b>	<p>Supplied lengths:</p> <p><b>12 fiber:</b> 1000, 2000, 4000, 6000 m</p> <p><b>24 fiber:</b> 1000 m</p> <p>Delivered in cardboard boxes</p>

## Articles 5

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
<b>ABF 12 200um G657A1 PAN Stingray</b> KRPM259101/1000M	Dark blue	12	1x12	25	70	1.3	1.58	1000	Box	
<b>ABF 12 200um G657A1 PAN Stingray</b> KRPM259101/2000M	Dark blue	12	1x12	25	70	1.3	1.58	2000	Box	
<b>ABF 12 200um G657A1 PAN Stingray</b> KRPM259101/4000M	Dark blue	12	1x12	25	70	1.3	1.58	4000	Box	
<b>ABF 24 200um G657A1 PAN Stingray</b> KRPM259102/1000M	Dark blue	24	1x24	40	140	1.6	2.42	1000	Box	
<b>ABF 24 200um G657A1 PAN Stingray</b> KRPM259102/2000M	Dark blue	24	1x24	40	140	1.6	2.42	2000	Box	