

# High Performance Air Blown Fiber

**ABF 2-12 fibers G657A2 TIA598 - Box**

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## Features

- Extra strong and durable design
- Smooth, low-friction sheath
- 2, 4, 6, 8 or 12 fiber, G657A2 bend resistant fibers
- Extra wide operational temperature range
- Water and Ice tested
- 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).

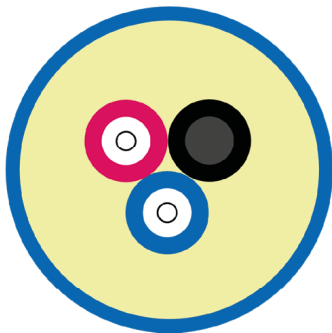
## Design

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 ,wich 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.

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

A mechanical filler is used in the 2-fiber unit as well as in the center of the 6-fiber unit.

## Technical Information

<b>Product Color</b>	Dark blue
<b>Color Code</b>	TIA598
<b>Temperature, Operation [°C]</b>	-45 to +70

<b>Temperature, Storage [°C]</b>	-45 to +70
<b>Temperature, Installation [°C]</b>	-15 to +60
<b>Fiber Type</b>	G657A2
<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> <ul style="list-style-type: none"> <li>▪ Ducts ID 3.5-4 mm: 1000 m</li> </ul> <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>
<b>Ordering Information</b>	<p><b>Supplied lengths:</b> 1000, 2000, 4000, 6000 m</p> <p>Delivered in cardboard boxes</p>

## Technical Details

TIA-598 Fibers and Tubes	1	2	3	4	5	6	7	8	9	10	11	12
	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua
13	14	15	16	17	18	19	20	21	22	23	24	
Blue	Orange	Green	Brown	Slate	White	Red	Clear	Yellow	Violet	Rose	Aqua	

TIA 598 Color Code Chart

## Articles 15

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force [N]	Diameter Ø [mm]	Weight [kg/km]	Length [m]	Form of Delivery
<b>AEF 2 G657A2 TIA598 PAN Stingray</b> KRPM258019/2000M	Dark blue	2	1x2	20	12	1.1	0.94	2000	–
<b>AEF 2 G657A2 TIA598 PAN Stingray</b> KRPM258019/4000M	Dark blue	2	1x2	20	12	1.1	0.94	4000	–
<b>AEF 2 G657A2 TIA598 PAN Stingray</b> KRPM258019/6000M	Dark blue	2	1x2	20	12	1.1	0.94	6000	–
<b>AEF 4 G657A2 TIA598 PAN Stingray</b> KRPM258022/2000M	Dark blue	4	1x4	20	24	1.1	1.02	2000	–
<b>AEF 4 G657A2 TIA598 PAN Stingray</b> KRPM258022/4000M	Dark blue	4	1x4	20	24	1.1	1.02	4000	–
<b>AEF 4 G657A2 TIA598 PAN Stingray</b> KRPM258022/6000M	Dark blue	4	1x4	20	24	1.1	1.02	6000	–
<b>AEF 6 G657A2 TIA598 PAN Stingray</b> KRPM258041/1000M	Dark blue	6	1x6	25	36	1.25	1.2	1000	Box
<b>AEF 6 G657A2 TIA598 PAN Stingray</b> KRPM258041/2000M	Dark blue	6	1x6	25	36	1.25	1.2	2000	Box
<b>AEF 8 G657A2 TIA598 PAN Stingray</b> KRPM258034/1000M	Dark blue	8	1x8	35	48	1.4	1.59	1000	Box
<b>AEF 8 G657A2 TIA598 PAN Stingray</b> KRPM258034/2000M	Dark blue	8	1x8	35	48	1.4	1.59	2000	Box
<b>AEF 8 G657A2 TIA598 PAN Stingray</b> KRPM258034/4000M	Dark blue	8	1x8	35	48	1.4	1.59	4000	Box
<b>AEF 12 G657A2 TIA598 PAN Stingray</b> KRPM258044/500M	Dark blue	12	1x12	35	70	1.4	1.65	500	Box
<b>AEF 12 G657A2 TIA598 PAN Stingray</b> KRPM258044/1000M	Dark blue	12	1x12	35	70	1.4	1.65	1000	Box
<b>AEF 12 G657A2 TIA598 PAN Stingray</b> KRPM258044/2000M	Dark blue	12	1x12	35	70	1.4	1.65	2000	Box
<b>AEF 12 G657A2 TIA598 PAN Stingray</b> KRPM258044/4000M	Dark blue	12	1x12	35	70	1.4	1.65	4000	Box