

# High Performance Air Blown Fiber – Pre-terminated

**ABF 2-12 fibers G657A1 TIA598 - Reel**

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## Features

- Pre-terminated fiber on reel
- Time saving installation
- Several connector options
- Extra strong and durable design
- Smooth, low-friction sheath
- Up to 12 fibers, G657A1 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).

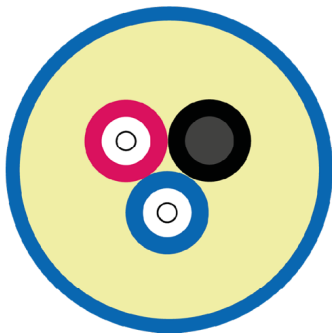
## Design

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>	-40 to +70

<b>Temperature, Storage [°C]</b>	-40 to +70
<b>Temperature, Installation [°C]</b>	-15 to +50
<b>Fiber Type</b>	G657A1
<b>Attenuation @Wavelength [nm]</b>	1310/1550
<b>Maximum Attenuation [dB/km]</b>	0.38/0.25
<b>Insertion Loss, max [dB]</b>	0.25
<b>Return Loss, min [dB]</b>	SC/UPC & LC/UPC: 55, SC/APC & LC/APC: 65
<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 value</p>
<b>Ordering Information</b>	<p><b>Supplied lengths:</b> Fixed lengths from 30 to 1000 m</p> <p>Delivered on miniature cardboard reels</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 76

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force [N]	Diameter Ø [mm]	Dimensions [mm]	Length [m]	Form of Delivery
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 30m</b> KRPM258121/30M	Dark blue	2	–	20	5	1.1	–	30	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 50m</b> KRPM258121/50M	Dark blue	2	–	20	5	1.1	–	50	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 70m</b> KRPM258121/70M	Dark blue	2	–	20	5	1.1	–	70	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 100m</b> KRPM258121/100M	Dark blue	2	–	20	5	1.1	–	100	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 100m</b> KRPM258121/150M	Dark blue	2	–	20	5	1.1	–	150	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 200m</b> KRPM258121/200M	Dark blue	2	–	20	5	1.1	–	200	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 250m</b> KRPM258121/250M	Dark blue	2	–	20	5	1.1	–	250	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 300m</b> KRPM258121/300M	Dark blue	2	–	20	5	1.1	–	300	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 350m</b> KRPM258121/350M	Dark blue	2	–	20	5	1.1	–	350	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 400m</b> KRPM258121/400M	Dark blue	2	–	20	5	1.1	–	400	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 500m</b> KRPM258121/500M	Dark blue	2	–	20	5	1.1	–	500	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 600m</b> KRPM258121/600M	Dark blue	2	–	20	5	1.1	–	600	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 700m</b> KRPM258121/700M	Dark blue	2	–	20	5	1.1	–	700	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 800m</b> KRPM258121/800M	Dark blue	2	–	20	5	1.1	–	800	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 900m</b> KRPM258121/900M	Dark blue	2	–	20	5	1.1	–	900	Reel
<b>ABF 1 SC/APC 2 G657A1 TIA598 REEL, 1000m</b> KRPM258121/1000M	Dark blue	2	–	20	5	1.1	–	1000	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 30m</b> KRPM258122/30M	Dark blue	2	–	20	5	1.1	–	30	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 50m</b> KRPM258122/50M	Dark blue	2	–	20	5	1.1	–	50	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 70m</b> KRPM258122/70M	Dark blue	2	–	20	5	1.1	–	70	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 100m</b> KRPM258122/100M	Dark blue	2	–	20	5	1.1	–	100	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 150m</b> KRPM258122/150M	Dark blue	2	–	20	5	1.1	–	150	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 200m</b> KRPM258122/200M	Dark blue	2	–	20	5	1.1	–	200	Reel

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Diameter Ø [mm]	Dimensions [mm]	Length [m]	Form of Delivery
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 250m</b> KRPM258122/250M	Dark blue	2	–	20	5	1.1	–	250	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 300m</b> KRPM258122/300M	Dark blue	2	–	20	5	1.1	–	300	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 350m</b> KRPM258122/350M	Dark blue	2	–	20	5	1.1	–	350	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 400m</b> KRPM258122/400M	Dark blue	2	–	20	5	1.1	–	400	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 500m</b> KRPM258122/500M	Dark blue	2	–	20	5	1.1	–	500	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 600m</b> KRPM258122/600M	Dark blue	2	–	20	5	1.1	–	600	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 700m</b> KRPM258122/700M	Dark blue	2	–	20	5	1.1	–	700	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 800m</b> KRPM258122/800M	Dark blue	2	–	20	5	1.1	–	800	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 900m</b> KRPM258122/900M	Dark blue	2	–	20	5	1.1	–	900	Reel
<b>ABF 1 LC/APC 2 G657A1 TIA598 REEL, 1000m</b> KRPM258122/1000M	Dark blue	2	–	20	5	1.1	–	1000	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 30m</b> KRPM258120/30M	Dark blue	2	LCA	20	5	1.1	–	30	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 50m</b> KRPM258120/50M	Dark blue	2	LCA	20	5	1.1	–	50	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 70m</b> KRPM258120/70M	Dark blue	2	LCA	20	5	1.1	–	70	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 100m</b> KRPM258120/100M	Dark blue	2	LCA	20	5	1.1	–	100	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 150m</b> KRPM258120/150M	Dark blue	2	–	20	5	1.1	–	150	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 200m</b> KRPM258120/200M	Dark blue	2	–	20	5	1.1	–	200	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 250m</b> KRPM258120/250M	Dark blue	2	–	20	5	1.1	–	250	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 300m</b> KRPM258120/300M	Dark blue	2	–	20	5	1.1	–	300	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 350m</b> KRPM258120/350M	Dark blue	2	–	20	5	1.1	–	350	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 400m</b> KRPM258120/400M	Dark blue	2	–	20	5	1.1	–	400	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 500m</b> KRPM258120/500M	Dark blue	2	–	20	5	1.1	–	500	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 600m</b> KRPM258120/600M	Dark blue	2	–	20	5	1.1	–	600	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 700m</b> KRPM258120/700M	Dark blue	2	–	20	5	1.1	–	700	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 800m</b> KRPM258120/800M	Dark blue	2	–	20	5	1.1	–	800	Reel

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Diameter Ø [mm]	Dimensions [mm]	Length [m]	Form of Delivery
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 900m</b> KRPM258120/900M	Dark blue	2	–	20	5	1.1	–	900	Reel
<b>ABF 2 LC/APC 2 G657A1 TIA598 REEL, 1000m</b> KRPM258120/1000M	Dark blue	2	–	20	5	1.1	–	1000	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 30m</b> KRPM258221/30M	Dark blue	6	–	20	5	1.25	–	30	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 50m</b> KRPM258221/50M	Dark blue	6	–	20	5	1.25	–	50	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 70m</b> KRPM258221/70M	Dark blue	6	–	20	5	1.25	–	70	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 100m</b> KRPM258221/100M	Dark blue	6	LCA	20	5	1.25	–	100	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 150m</b> KRPM258221/150M	Dark blue	6	LCA	20	5	1.25	–	150	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 200m</b> KRPM258221/200M	Dark blue	6	LCA	20	5	1.25	–	200	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 250m</b> KRPM258221/250M	Dark blue	6	LCA	20	5	1.25	–	250	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 300m</b> KRPM258221/300M	Dark blue	6	LCA	20	5	1.25	–	300	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 350m</b> KRPM258221/350M	Dark blue	6	LCA	20	5	1.25	–	350	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 400m</b> KRPM258221/400M	Dark blue	6	LCA	20	5	1.25	–	400	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 500m</b> KRPM258221/500M	Dark blue	6	LCA	20	5	1.25	–	500	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 600m</b> KRPM258221/600M	Dark blue	6	LCA	20	5	1.25	–	600	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 700m</b> KRPM258221/700M	Dark blue	6	LCA	20	5	1.25	–	700	Reel
<b>ABF 6 LC/APC 6 G657A1 TIA598 REEL, 800m</b> KRPM258221/800M	Dark blue	6	LCA	20	5	1.25	–	800	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 30m</b> RPM258230/30M	Dark blue	12	–	20	5	1.4	1.4	30	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 50m</b> RPM258230/50M	Dark blue	12	–	20	5	1.4	1.4	50	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 70m</b> RPM258230/70M	Dark blue	12	–	20	5	1.4	1.4	70	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 100m</b> RPM258230/100M	Dark blue	12	–	20	5	1.4	1.4	100	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 150m</b> RPM258230/150M	Dark blue	12	–	20	5	1.4	1.4	150	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL</b> RPM258230/200M	Dark blue	12	–	20	5	1.4	1.4	200	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 250m</b> RPM258230/250M	Dark blue	12	–	20	5	1.4	1.4	250	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 300m</b> RPM258230/300M	Dark blue	12	–	20	5	1.4	1.4	300	Reel

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Diameter Ø [mm]	Dimensions [mm]	Length [m]	Form of Delivery
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<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 400m</b> RPM258230/400M	Dark blue	12	–	20	5	1.4	1.4	400	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 500m</b> RPM258230/500M	Dark blue	12	–	20	5	1.4	1.4	500	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 600m</b> RPM258230/600M	Dark blue	12	–	20	5	1.4	1.4	600	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 700m</b> RPM258230/700M	Dark blue	12	–	20	5	1.4	1.4	700	Reel
<b>ABF 12 LC/APC 12 G657A1 TIA598 REEL, 800m</b> RPM258230/800M	Dark blue	12	–	20	5	1.4	1.4	800	Reel