

# High Performance Air Blown Fiber – Pre-terminated

**ABF 2-12 fibers G657A1 S12 - 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
- 2 or 4 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).

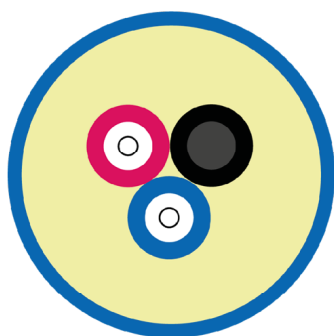
## Design

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>	S12
<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 values.</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

S12 Fibers och rör Fibers and tubes	1	2	3	4	5	6	7	8	9	10	11	12
	Röd Red	Röd Red	Blå Blue	Vit White	Grön Green	Gul Yellow	Grå Grey	Brun Brown	Svart Black	Violett Violet	Orange	Turkos Turquoise
Röd Red	Blå Blue	Vit White	Grön Green	Gul Yellow	Grå Grey	Brun Brown	Klar Clear	Violett Violet	Orange	Turkos Turquoise	Rosa Pink	

## Articles 108

Article name	Color	No. of Fibers	Bend Radius [mm]	Tensile Force, Installation [N]	Diameter Ø [mm]	Length [m]	Form of Delivery
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/30M	Dark blue	2	20	5	1.1	30	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/50M	Dark blue	2	20	5	1.1	50	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/70M	Dark blue	2	20	5	1.1	70	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/100M	Dark blue	2	20	5	1.1	100	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/150M	Dark blue	2	20	5	1.1	150	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/200M	Dark blue	2	20	5	1.1	200	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/250M	Dark blue	2	20	5	1.1	250	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/300M	Dark blue	2	20	5	1.1	300	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/350M	Dark blue	2	20	5	1.1	350	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/400M	Dark blue	2	20	5	1.1	400	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/450M	Dark blue	2	20	5	1.1	450	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/500M	Dark blue	2	20	5	1.1	500	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/550M	Dark blue	2	20	5	1.1	550	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/600M	Dark blue	2	20	5	1.1	600	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/650M	Dark blue	2	20	5	1.1	650	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/700M	Dark blue	2	20	5	1.1	700	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/750M	Dark blue	2	20	5	1.1	750	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/800M	Dark blue	2	20	5	1.1	800	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/850M	Dark blue	2	20	5	1.1	850	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/900M	Dark blue	2	20	5	1.1	900	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/950M	Dark blue	2	20	5	1.1	950	Reel
<b>ABF 2SC 2G657A1 Reel</b> RPM258005/1000M	Dark blue	2	20	5	1.1	1000	Reel

Article name	Color	No. of Fibers	Bend Radius [mm]	Tensile Force, Installation [N]	Diameter Ø [mm]	Length [m]	Form of Delivery
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/30M	Dark blue	2	20	5	1.1	30	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/50M	Dark blue	2	20	5	1.1	50	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/100M	Dark blue	2	20	5	1.1	100	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/150M	Dark blue	2	20	5	1.1	150	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/200M	Dark blue	2	20	5	1.1	200	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/250M	Dark blue	2	20	5	1.1	250	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/300M	Dark blue	2	20	5	1.1	300	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/350M	Dark blue	2	20	5	1.1	350	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/400M	Dark blue	2	20	5	1.1	400	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/500M	Dark blue	2	20	5	1.1	500	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/600M	Dark blue	2	20	5	1.1	600	Reel
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<b>ABF 2LC 2G657A1 Reel</b> RPM258006/900M	Dark blue	2	20	5	1.1	900	Reel
<b>ABF 2LC 2G657A1 Reel</b> RPM258006/1000M	Dark blue	2	20	5	1.1	1000	Reel
<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/1000M	Dark blue	2	20	5	1.1	1000	Reel
<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/100M	Dark blue	2	20	5	1.1	100	Reel
<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/150M	Dark blue	2	20	5	1.1	150	Reel
<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/200M	Dark blue	2	20	5	1.1	200	Reel
<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/250M	Dark blue	2	20	5	1.1	250	Reel
<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/300M	Dark blue	2	20	5	1.1	300	Reel
<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/30M	Dark blue	2	20	5	1.1	30	Reel
<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/350M	Dark blue	2	20	5	1.1	350	Reel

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<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/500M	Dark blue	2	20	5	1.1	500	Reel
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<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/600M	Dark blue	2	20	5	1.1	600	Reel
<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/700M	Dark blue	2	20	5	1.1	700	Reel
<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/70M	Dark blue	2	20	5	1.1	70	Reel
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<b>ABF 2SC/APC 2G657A1 Reel</b> RPM258007/900M	Dark blue	2	20	5	1.1	900	Reel
<b>ABF 2LC/APC 2G657A1 Reel</b> RPM258008/1000M	Dark blue	2	20	5	1.1	1000	Reel
<b>ABF 2LC/APC 2G657A1 Reel</b> RPM258008/100M	Dark blue	2	20	5	1.1	100	Reel
<b>ABF 2LC/APC 2G657A1 Reel</b> RPM258008/150M	Dark blue	2	20	5	1.1	150	Reel
<b>ABF 2LC/APC 2G657A1 Reel</b> RPM258008/200M	Dark blue	2	20	5	1.1	200	Reel
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<b>ABF 2LC/APC 2G657A1 Reel</b> RPM258008/70M	Dark blue	2	20	5	1.1	70	Reel
<b>ABF 2LC/APC 2G657A1 Reel</b> RPM258008/800M	Dark blue	2	20	5	1.1	800	Reel
<b>ABF 2LC/APC 2G657A1 Reel</b> RPM258008/900M	Dark blue	2	20	5	1.1	900	Reel

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<b>ABF 1SC 2G657A1 Reel</b> RPM258020/150M	Dark blue	2	20	5	1.1	150	Reel
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<b>ABF 1SC 2G657A1 Reel</b> RPM258020/250M	Dark blue	2	20	5	1.1	250	Reel
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<b>ABF 1SC 2G657A1 Reel</b> RPM258020/400M	Dark blue	2	20	5	1.1	400	Reel
<b>ABF 1SC 2G657A1 Reel</b> RPM258020/500M	Dark blue	2	20	5	1.1	500	Reel
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<b>ABF 1SC 2G657A1 Reel</b> RPM258020/900M	Dark blue	2	20	5	1.1	900	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/1000M	Dark blue	2	20	5	1.1	1000	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/100M	Dark blue	2	20	5	1.1	100	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/150M	Dark blue	2	20	5	1.1	150	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/200M	Dark blue	2	20	5	1.1	200	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/250M	Dark blue	2	20	5	1.1	250	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/300M	Dark blue	2	20	5	1.1	300	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/30M	Dark blue	2	20	5	1.1	30	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/350M	Dark blue	2	20	5	1.1	350	Reel



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<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/450M	Dark blue	2	20	5	1.1	450	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/500M	Dark blue	2	20	5	1.1	500	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/50M	Dark blue	2	20	5	1.1	50	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/550M	Dark blue	2	20	5	1.1	550	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/600M	Dark blue	2	20	5	1.1	600	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/650M	Dark blue	2	20	5	1.1	650	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/700M	Dark blue	2	20	5	1.1	700	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/70M	Dark blue	2	20	5	1.1	70	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/750M	Dark blue	2	20	5	1.1	750	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/800M	Dark blue	2	20	5	1.1	800	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/850M	Dark blue	2	20	5	1.1	850	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/900M	Dark blue	2	20	5	1.1	900	Reel
<b>ABF 1SC+1SC/APC 2G657A1 Reel</b> RPM258028/950M	Dark blue	2	20	5	1.1	950	Reel