

High Performance Air Blown Fiber – Pre-terminated

ABF 2 fibers G657A2 TIA598 - Reel

Features

- Pre-terminated fiber on reel
- Blowable ferrule at outer end
- Time saving installation
- Several connector options
- Extra strong and durable design
- Smooth, low-friction sheath
- 2 fibers, 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).

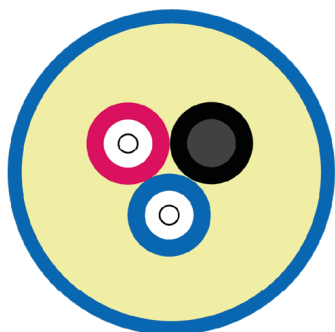
Design

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, 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.

The Air Blown Fiber is delivered in fixed lengths on cardboard reels with pre-terminated connector at inner end and blowable ferrule at outer end. 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.

Technical Information

Product Color	Black Jacket
Color Code	TIA598
Temperature, Operation [°F]	–40 to +158 (–40 to +70°C)
Temperature, Storage [°F]	–40 to +158 (–40 to +70°C)
Temperature, Installation [°F]	+5 to +122 (–15 to +50°C)
Fiber Type	G657A2
Attenuation @Wavelength [nm]	1310/1550
Maximum Attenuation [dB/km]	0.38/0.25
Insertion Loss, max [dB]	0.25
Return Loss, min [dB]	SC/UPC & LC/UPC: 55, SC/APC & LC/APC: 65
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> <ul style="list-style-type: none"> ▪ Ducts ID 3.5-4 mm: recommended upto 500m <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>
Ordering Information	<p>Supplied lengths: Fixed lengths from 25 to 500m</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

Articles 36

Article name	No. of Fibers	Bend Radius [in]	Diameter Ø [mm]	Weight [lbs/ft]	Length [ft]
ABF 2LC/APC 2G657A2 TIA598 REEL S 1/RPM258303/25M	2	20	1.1	0.32	25
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 50M 1/RPM258303/50M	2	20	1.1	0.32	50
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 75M 1/RPM258303/75M	2	20	1.1	0.32	75
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 100M 1/RPM258303/100M	2	20	1.1	0.32	100
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 150M 1/RPM258303/150M	2	20	1.1	0.32	150
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 200M 1/RPM258303/200M	2	20	1.1	0.32	200
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 250M 1/RPM258303/250M	2	20	1.1	0.32	250
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 300M 1/RPM258303/300M	2	20	1.1	0.32	300
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 350M 1/RPM258303/350M	2	20	1.1	0.32	350
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 400M 1/RPM258303/400M	2	20	1.1	0.32	400
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 450M 1/RPM258303/450M	2	20	1.1	0.32	450
ABF 1 LC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 500M 1/RPM258303/500M	2	20	1.1	0.32	500
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 25M 1/RPM258305/25M	2	20	1.1	0.32	25
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 50M 1/RPM258305/50M	2	20	1.1	0.32	50
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 75M 1/RPM258305/75M	2	20	1.1	0.32	75
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 100M 1/RPM258305/100M	2	20	1.1	0.32	100
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 150M 1/RPM258305/150M	2	20	1.1	0.32	150
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 200M 1/RPM258305/200M	2	20	1.1	0.32	200
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 250M 1/RPM258305/250M	2	20	1.1	0.32	250
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 300M 1/RPM258305/300M	2	20	1.1	0.32	300
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 350M 1/RPM258305/350M	2	20	1.1	0.32	350
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 400M 1/RPM258305/400M	2	20	1.1	0.32	400
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 450M 1/RPM258305/450M	2	20	1.1	0.32	450

Article name	No. of Fibers	Bend Radius [in]	Diameter Ø [mm]	Weight [lbs/kt]	Length [ft]
ABF 1 SC/APC-LC/APC Ferrule 2 G657A2 TIA598 REEL, 500M 1/RPM258305/500M	2	20	1.1	0.32	500
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 25M 1/RPM258307/25M	2	20	1.1	0.32	25
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 50M 1/RPM258307/50M	2	20	1.1	0.32	50
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 75M 1/RPM258307/75M	2	20	1.1	0.32	75
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 100M 1/RPM258307/100M	2	20	1.1	0.32	100
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 150M 1/RPM258307/150M	2	20	1.1	0.32	150
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 200M 1/RPM258307/200M	2	20	1.1	0.32	200
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 250M 1/RPM258307/250M	2	20	1.1	0.32	250
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 300M 1/RPM258307/300M	2	20	1.1	0.32	300
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 350M 1/RPM258307/350M	2	20	1.1	0.32	350
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 400M 1/RPM258307/400M	2	20	1.1	0.32	400
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 450M 1/RPM258307/450M	2	20	1.1	0.32	450
ABF 1 SC/UPC-LC/UPC Ferrule 2 G657A2 TIA598 REEL, 500M 1/RPM258307/500M	2	20	1.1	0.32	500