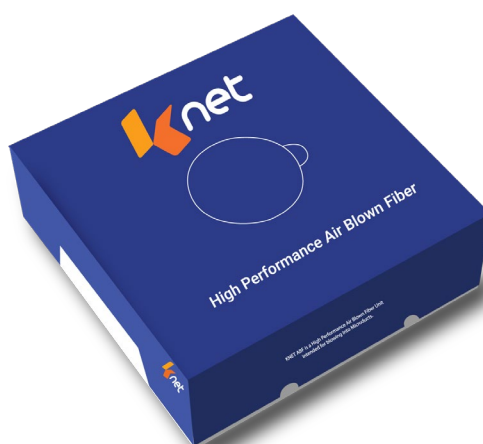




KNET ABF is a high-performance Air Blown Fiber Unit intended for blowing into microducts.

The main application area is for fiber access networks such as Fiber To The Home (FTTH).

# ABF( Air Blowing Fiber) (2F~24F)



## Features

- Extra strong and durable design Super slim design
- Smooth, low-friction sheath
- 2, 4, 6, 8, 12 or 24 fiber, G657A1 bend resistant fibers
- Extra wide operational temperature range
- Water and Ice tested
- State of the art blowing performance
- Zero sheath shrinkage





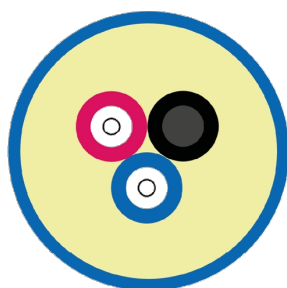
## Design

KNET 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 the state-of-the-art fiber blowing performance increases the installation success rate and provides quick and problem free installation.

The Air Blown Fiber 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 bulk lengths in cardboard PANs.



- 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

ITEMS	DESCRIPTION	
Product Color	Dark blue	
Color Code	TIA-598	
Temperature, Operation [°C]	-45 to +70	
Temperature, Storage [°C]	-45 to +70	
Temperature, Installation [°C]	-15 to +60	
Fiber Type	G.657A1	
Attenuation @Wavelength [nm]	1310	1550
Maximum Attenuation [dB/km]	0.38	0.25
Conformance	Air blown fiber: IEC 60794-5-20	
	Bend radius: IEC 60794-1-21, Method E11	
	Crush resistance: IEC 60794-1-21 Method E3	
	Kink: IEC60794-1-21 Method E10	
	Tensile force during installation: IEC60794-1-22, Method F1	
	Fiber parameters and tests according to the IEC series 60793-2 and 60793-1	
Technical Notes	Water immersion and repeated freeze test	
	Knet standard test, 100 cycles, -25, to +15°C	
Installation Notes	Typical installation performance: Ducts ID 3.5-4 mm: 1000m	
	Installation performance is affected by the installed path, environmental conditions, installation equipment etc. and actual performance may	
	therefore, deviate from the above specified values.	
Ordering Information	Supplied lengths: 1000, 2000, 4000, 6000 m	
	Delivered in cardboard boxes	



## Color Code Chart

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
	Blue	Orange	Green	Brown	Slate	White	Red	Clear	Yellow	Violet	Rose	Aqua
	13	14	15	16	17	18	19	20	21	22	23	24

Article	KF500202	KF500404	KF500606	KF500808	KF501212	KF502424
Color	Dark blue	Dark blue	Dark blue	Dark blue	Dark blue	Dark blue
No. of Fiber	2	4	6	8	12	24
Layout	1x2	1X4	1X6	1X8	1X12	1X24
Band Radius	20	20	25	35	35	40
Tensile Force, Installation [N]	12	24	36	48	70	140
Diameter $\Phi$ [mm]	1.1	1.1	1.25	1.4	1.4	1.6
Weight [kg/km]	0.94	1.02	1.2	1.59	1.65	2.42
Length[m]	2000/ 4000/ 6000	2000/ 4000	2000/ 4000	2000/ 4000	500/ 1000/ 2000/ 4000	1000/ 2000
Form of Delivery	Box	Box	Box	Box	Box	Box

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