

Air Blown Fiber Unit – KRPM 258+

SM G657.A2

Hexatronic Air Blown Fiber



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, which means no fragile splice points or sensitive installations in wall outlets or fiber cabinets.

The air blown fiber is available with single mode bend resistant G657A2 fibers as a standard. Other fiber types are available on request. 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 PANs. For optimum blowing performance, use the Hexatronic Air Blown Tool LTT 179 2011.



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Typical Data¹⁾

Temperature range

Operation-45 to +70°C

Operation, temporarily²⁾-50 to +85°C

Transport and storage-45 to +70°C

Handling and installation..-15 to +60°C

Fiber unit type

Diameter (mm)..... 1.1 (2-4f) 1.25 (6f) 1.4 (8-12f)

Weight (g/m)..... 1.0 (2-4f) 1.5 (6f) 1.8 (8-12f)

Bend radius

Temporarily and under

installation (mm)≥ 15 (2-4f) 20 (6f) 30(8-12f)

Permanently (mm)≥ 20 (2-4f) 25 (6f) 35 (8-12f)

KinkIEC 60794-1-2 method E10

Crush.....IEC 60794-1-2 method E3, 500N

BendIEC 60794-1-2 method E11

Tensile force,

during installation (N).....5 (2f) 10 (4f) 17.5 (6f)

.....20 (8f) 30 (12f)

Water immersion and repeated freeze test

Hexatronic standard test³⁾. -25, to +15°C

Color, sheath

Single mode G657A2dark blue

Optical fiber cable color codes

S12 (E/S12)

EIA/TIA-598 "Bellcore" (TIA-598)

¹⁾IEC 60794-1-2 F1. Fiber parameters and tests according to the IEC series 60793-2 and 60793-1.

²⁾Extended operational range verified according to IEC 60793. Only for temporary use.

³⁾100 cycles

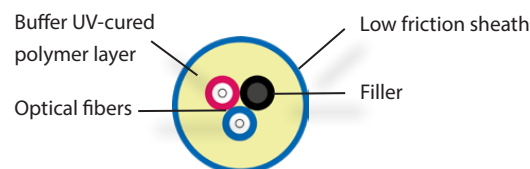
Installation performance verification

IEC 60794-5-20

Hexatronic standard test track (1000 m)

Design

A 2-fiber unit is shown below. A mechanical filler is used in the 2-fiber unit as well as in the center of the 6-fiber unit. The sheath is colored dark blue.



Air Blown Fiber in PANs:

PRODUCT NUMBER	TYPE, LENGTH	COLOR CODE
KRPM 258 013/2000M	2-f, PAN, 2000 m	S12
KRPM 258 013/4000M	2-f, PAN, 4000 m	S12
KRPM 258 013/6000M	2-f, PAN, 6000 m	S12
KRPM 258 019/2000M	2-f, PAN, 2000 m	TIA-598
KRPM 258 019/4000M	2-f, PAN, 4000 m	TIA-598
KRPM 258 019/6000M	2-f, PAN, 6000 m	TIA-598
KRPM 258 014/2000M	4-f, PAN, 2000 m	S12
KRPM 258 014/4000M	4-f, PAN, 4000 m	S12
KRPM 258 014/6000M	4-f, PAN, 6000 m	S12
KRPM 258 022/2000M	4-f, PAN, 2000 m	TIA-598
KRPM 258 022/4000M	4-f, PAN, 4000 m	TIA-598
KRPM 258 022/6000M	4-f, PAN, 6000 m	TIA-598
KRPM 258 015/2000M	6-f, PAN, 2000 m	S12
KRPM 258 015/4000M	6-f, PAN, 4000 m	S12
KRPM 258 015/6000M	6-f, PAN, 6000 m	S12
KRPM 258 041/2000M	6-f, PAN, 2000 m	TIA-598
KRPM 258 041/4000M	6-f, PAN, 4000 m	TIA-598
KRPM 258 041/6000M	6-f, PAN, 6000 m	TIA-598
KRPM 258 016/1000M	8-f, PAN, 1000 m	S12
KRPM 258 016/2000M	8-f, PAN, 2000 m	S12
KRPM 258 016/4000M	8-f, PAN, 4000 m	S12
KRPM 258 034/1000M	8-f, PAN, 1000 m	TIA-598
KRPM 258 034/2000M	8-f, PAN, 2000 m	TIA-598
KRPM 258 034/4000M	8-f, PAN, 4000 m	TIA-598
KRPM 258 017/1000M	12-f, PAN, 1000 m	S12 & TIA-598*
KRPM 258 017/2000M	12-f, PAN, 2000 m	S12 & TIA-598*
KRPM 258 017/4000M	12-f, PAN, 4000 m	S12 & TIA-598*

* S12 and TIA-598 are identical for 12-f configurations

Color Code Systems

	1	2	3	4	5	6	7	8	9	10	11	12
S12 Fibers	Red	Blue	White	Green	Yellow	Slate	Brown	Black	Violet	Orange	Aqua	Rose
TIA-598 Fibers	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua