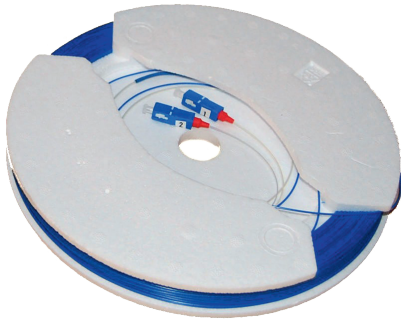


Air Blown Fiber Unit, Pre-Connected – RPM 258+/ KRPM 258+

Hexatronic Air Blown Fiber, Pre-Connected, G657A



Features

- Extra strong and durable design
- Smooth, low-friction sheath
- 2, 4, 6, 8 or 12 fiber, G657A bend resistant fibers
- Extra wide operational temperature range
- Water and Ice tested
- Pre-connected on lightweight reels
- State of the art blowing performance
- Adapted for the Air Blown Tool

Application

Hexatronic's high performance Air Blown Fiber Unit for the will minimize initial investment and at the same time provide a future proof network that is easy to expand, upgrade and maintain. The main application areas are for fiber access networks such as Fiber To The Home (FTTH).

Hexatronic Air Blown Fiber is optimized for installation into micro/multi-ducts by blowing. For optimum blowing performance, use the Hexatronic Air Blown Toll LTT 179 2011.

The Air Blown Fiber is delivered on lightweight Styrofoam reels, pre-terminated with connectors.

Pre-terminated Fiber Reels

In real life installations, the single most time consuming step in the installation of a fiber optic network is the fitting of connectors. The system offers the unique option of using Air Blown Fiber with pre-terminated connectors. The connectors are mounted on the fiber and tested in a clean-room production environment. This will ensure a quick and trouble free installation since no time consuming fitting of connectors at the end user location is needed during installation.

Fiber Types

The Hexatronic 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 Air Blown Fiber unit is colored dark blue to ultimate visibility when installed in semi-translucent microducts.



Air Blown Fiber Unit, Pre-Connected – RPM 258+/ KRPM 258+

Typical Data¹⁾

Temperature range

Operation-40, to +70°C
 Transport and storage-40, 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)

Bending radius

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

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

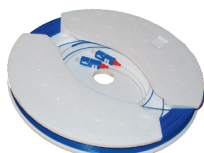
KinkIEC 60794-1-2 method E10
 Crush.....IEC 60794-1-2 method E3, 500N
 Bend.....IEC 60794-1-2 method E11

Tensile force, during installation (N).....5 (2f) 10 (4f) 17.5 (6f)
20 (8f) 30 (12f)

Water immersion and repeated freeze test
 Hexatronic standard test²⁾. -25, to +15°C

Color, sheath
 Dark blue

Optical fiber cable color codes
 Hexatronic Standard (S12)
 EIA/TIA-598 "Bellcore" (TIA-598)



Ordering Information

Pre-terminated Air Blown Fiber on Reels:

PRODUCT NUMBER	TYPE	COLOR CODE
RPM 258 020/xxxxM	2-f, 1xSC G657A	S12
RPM 258 005/xxxxM	2-f, 2xSC G657A	S12
RPM 258 006/xxxxM	2-f, 2xLC G657A	S12
RPM 258 007/xxxxM	2-f, 2xSC/APC G657A	S12
RPM 258 008/xxxxM	2-f, 2xLC/APC G657A	S12
RPM 258 028/xxxxM	2-f, 1xSC+1xSC/APC G657A	S12
KRPM 258 029/xxxxM	2-f, 1xSC/APC G657A2	TIA-598
KRPM 258 018/xxxxM	2-f, 2xLC/APC G657A2	TIA-598
KRPM 258 021/xxxxM	4-f, 2xLC/APC G657A2	TIA-598
KRPM 258 026/xxxxM	2-f, 2xSC/APC G657A2	TIA-598
KRPM 258 027/xxxxM	4-f, 4xSC/APC G657A2	TIA-598

where: xxxx = Fiber length (m)
 30, 50, 70, 100, 150, 200, 250, 300, 350, 400, 500, 600, 700, 800, 900, 1000

Ordering example: 2-fiber unit with, 2xLC/APC connectors and TIA-598 Bellcore) fiber colors, 70 m fiber length: RPM 258 018/70M

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

Connector options

Single mode: SC/UPC, SC/APC, LC/UPC or LC/APC

Connector performance

.....UPC.....APC (SM)
 Insertion loss (dB)..... < 0.5 < 0.5
 Return loss (dB) > 50 > 60

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

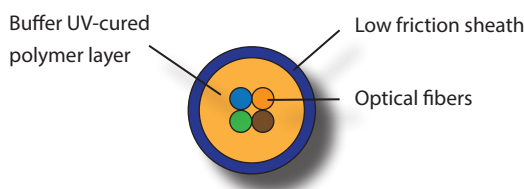
²⁾100 cycles

Installation performance verification

IEC 60794-5-20 (500 m reel test)
 Hexatronic standard test track (1000 m)

Design

A 4-fiber unit is shown below. The sheath is colored blue (RAL 5010). 2-fiber units may contain a mechanical filler.



Transmission Characteristics

ATTENUATION	@ 1310NM	@ 1550NM	@ 1625NM
Mean value in cable	0.36dB/km	0.22dB/km	0.25dB/km
Max value individual	0.38dB/km	0.25dB/km	0.30dB/km