

RAPTOR™



High Performance Nano Cable

GAHL 2-12 fibers, GAL 12 fibers G657A1 S12 - No Ripcord

Features

- Quick and easy sheath removal and fiber separation
- Slim design for installation into microducts down to 3.5mm inner diameter
- Installation by blowing or pushing
- Extra strong and durable, with integrated strength member
- Smooth, low-friction sheath
- Extra wide operational temperature range, -45 to +70°C
- Excellent installation performance
- Halogen-free

Application

The Hexatronic Raptor is a high performance Air Blown Nano Cable that 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) and Fiber To The Antenna (FTTA). The cable is intended for installation in microducts with an inner diameter from 3.5mm up to 12mm.

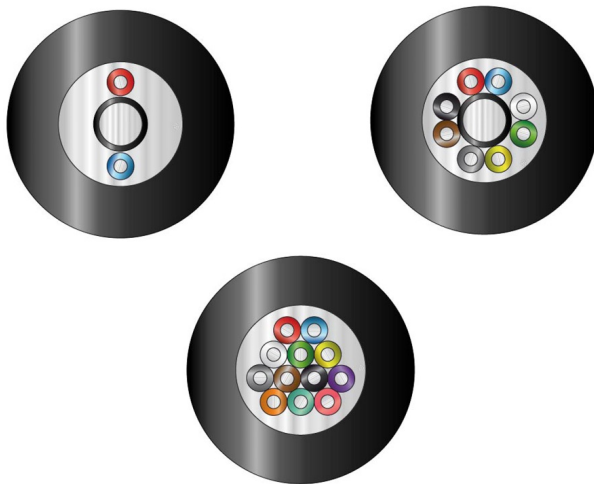
Design

The Hexatronic Air Blown Nano Cable has a unique design that 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. With the integrated strength member, the cable is ideal for both blowing and pushing. The strength member also adds increased stability and robustness to the cable.

The cable is available with single mode bend resistant G657A1 fibers.

This new MKII version of the Hexatronic Raptor Nano Cable series has several improvements that saves time and costs during installation. Sheath removal and fiber separation is highly enhanced without the need for a ripcord.

Product Information



- 1 Primary coated fiber: Silica, acrylate
- 2 Buffer: UV-cured polymer layer
- 3 Strength member: Coated glass fiber reinforced plastic
- 4 Low friction thermoplastic

Technical Information

| | |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Color | Black Sheath |
| Color Code | S12 |
| Temperature, Operation [°C] | -45 to +70 |
| Temperature, Storage [°C] | -45 to +70 |
| Temperature, Installation [°C] | -15 to +60 |
| Fiber Type | G657A1 |
| Attenuation @Wavelength [nm] | 1310/1383/1550 |
| Average Attenuation [dB/km] | 0.31/0.31/0.20 |
| Maximum Attenuation [dB/km] | 0.38/0.38/0.25 |
| Marking | <p>Example of sheath marking, 1 time/meter: "HEXATRONIC A35 yymmddhh TOL4019080/8AH GAHL-K-DHR 8/A8 G657A1 S12"</p> <p>where yymmddhh = year, month, day and hour of manufacture, xxxx=running meter marking.</p> |
| Installation Notes | <p>The cable is intended for installation in microducts with an inner diameter from 3.5mm up to 12mm.</p> <p>The cable should be installed at a temperature between -15 to +40°C. The cable shall not be stored in direct sunlight. The sun may heat up the cable over the permitted temperature limit.</p> |
| Ordering Information | Supplied lengths: 1, 2, 4 km |

Technical Details

| | | | | | | | | | | | | |
|-------------------------------------------|------------|-------------|--------------|---------------|---------------|-------------|---------------|----------------|-------------------|--------|---------------------|--------------|
| S12 Fibers och rör Fibers and Tubes | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | Röd Red | Blå Blue | Vit White | Grön Green | Gul Yellow | Grå Grey | Brun Brown | Svart Black | Violett Violet | Orange | Turkos Turquoise | Rosa Pink |
| | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | Röd Red | Blå Blue | Vit White | Grön Green | Gul Yellow | Grå Grey | Brun Brown | Klar Clear | Violett Violet | Orange | Turkos Turquoise | Rosa Pink |

Articles 15

| Article name | Color | No. of Fibers | Layout | Bend Radius [mm] | Tensile Force [N] | Crush [N/100 mm] | Impact [J] | Installation [N] | Diameter Ø [mm] | Weight [kg/km] | Length [m] |
|-------------------------------------------------------|-------|---------------|--------|------------------|-------------------|------------------|------------|------------------|-----------------|---------------------------|------------|
| GAHL 2/A2 G657A1 S12 TOL4019080/2AH | Black | 2 | 1x2 | 25 | 80 | 700 | 1 | 2.0 | 4.3 | 4000/PLAST | |
| GAHL 2/A2 G657A1 S12 T2000 H4019080/2AH-3 | Black | 2 | 1x2 | 25 | 80 | 700 | 1 | 2.0 | 4.3 | 2000/K4 | |
| GAHL 2/A2 G657A1 S12 T4000 H4019080/2AH-4 | Black | 2 | 1x2 | 25 | 80 | 700 | 1 | 2.0 | 4.3 | 4000/K4 | |
| GAHL 4/A4 G657A1 S12 TOL4019080/4AH | Black | 4 | 1x4 | 25 | 80 | 900 | 0.5 | 2.0 | 5 | 4000/PLAST, 2000/PLAST | |
| GAHL 4/A4 G657A1 S12 T2000 H4019080/4AH-3 | Black | 4 | 1x4 | 25 | 80 | 900 | 0.5 | 2.0 | 5 | 2000/K4 | |
| GAHL 4/A4 G657A1 S12 T4000 H4019080/4AH-4 | Black | 4 | 1x4 | 25 | 80 | 900 | 0.5 | 2.0 | 5 | 4000/K4 | |
| GAHL 6/A6 G657A1 S12 TOL4019080/6AH | Black | 6 | 1x6 | 25 | 80 | 900 | 0.5 | 2.0 | 5 | 4000/PLAST | |
| GAHL 6/A6 G657A1 S12 T2000 H4019080/6AH-3 | Black | 6 | 1x6 | 25 | 80 | 900 | 0.5 | 2.0 | 1 | 2000/K4 | |
| GAHL 6/A6 G657A2 S12 T4000 H4019080/6AH-4 | Black | 6 | 1x6 | 25 | 80 | 900 | 0.5 | 2.0 | 1 | 4000/K4 | |
| GAHL 8/A8 G657A1 S12 TOL4019080/8AH | Black | 8 | 1x8 | 25 | 80 | 900 | 0.5 | 2.0 | 6.5 | 4000/PLAST | |
| GAHL 8/A8 G657A1 S12 T2000 H4019080/8AH-3 | Black | 8 | 1x8 | 25 | 80 | 900 | 0.5 | 2.0 | 6.5 | 2000/K4 | |
| GAHL 8/A8 G657A1 S12 T4000 H4019080/8AH-4 | Black | 8 | 1x8 | 25 | 80 | 900 | 0.5 | 2.0 | 6.5 | 4000/K4 | |
| GAL 12/A12 G657A1 S12 TOL4019080/12AH | Black | 12 | 1x12 | 35 | 50 | 1000 | 0.7 | 2.1 | 8 | 6000/PLAST, 4000/PLAST | |
| GAL 12/A12 G657A1 S12 T2000 H4019080/12AH-3 | Black | 12 | 1x12 | 35 | 50 | 1000 | 0.7 | 2.1 | 8 | 2000/K4 | |
| GAL 12/A12 G657A1 S12 T4000 H4019080/12AH-4 | Black | 12 | 1x12 | 35 | 50 | 1000 | 0.7 | 2.1 | 8 | 4000/K4 | |