RAPTOR™

High Performance Nano Cable

GAHL 2-12 fibers, GAL 12 fibers G657A1 S12, with ripcord

Features

- 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
- Excellent installation performance
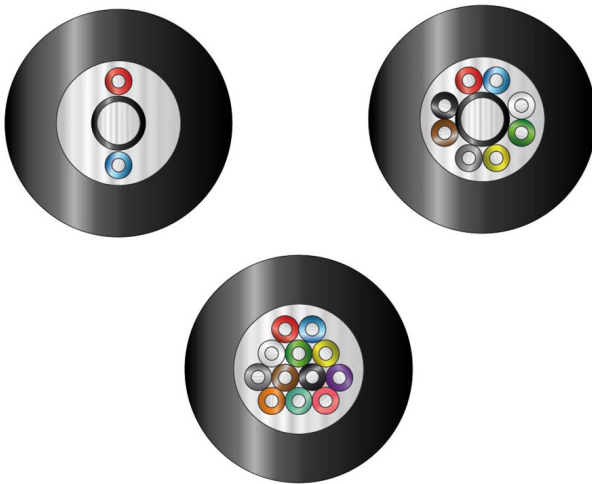- Temperature range from -45 to +70°C
- Halogen-free

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.

Product Information

1. Primary coated fiber: Silica, acrylate
2. Buffer: UV-cured polymer layer
3. Strength member: Coated glass fiber reinforced plastic (in 2-8F versions)
4. Sheath: Low friction thermoplastic
5. Ripcord: Polyester yarn

Technical Information

Product Color	Black Sheath
Color Code	S12
Temperature, Operation [°C]	-45 to +70
Temperature, Storage [°C]	-45 to +70
Temperature, Installation [°C]	-20 to +60
Fiber Type	G657A1
Attenuation @Wavelength [nm]	1310/1383/1550
Average Attenuation [dB/km]	0.36/0.36/0.22
Maximum Attenuation [dB/km]	0.38/0.38/0.25
Marking	Example of sheath marking, 1 time/meter: "HEXATRONIC A35 yymmddhh TOL4019050/12AH GAL-K-DHR 12/A12 G657A1 S12 xxxxx m" where yymmddhh = year, month, day and hour of manufacture, xxxxx=running meter marking.
Installation Notes	The cable is intended for installation in microducts with an inner diameter from 3.5mm up to 12mm. 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.
Ordering Information	Supplied lengths: 1, 2 and 4 km

Technical Details

S12 Fibrer 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, Installation [N]	Tensile Force, Operation [N]	Crush [N/100 mm]	Diameter Ø [mm]	Weight [kg/km]	Length [m]
GAHL 2/A2 G657A1 S12 TOL4019050/2AH	Black	2	1x2	25	80	50	1000	2.0	4.3	4000
GAHL 2/A2 G657A1 S12 T2000 H4019050/2AH-3	Black	2	1x2	25	80	50	1000	2.0	4.3	2000
GAHL 2/A2 G657A1 S12 T4000 H4019050/2AH-4	Black	2	1x2	25	80	50	1000	2.0	4.3	4000
GAHL 4/A4 G657A1 S12 TOL4019050/4AH	Black	4	1x4	25	80	50	1000	2.0	5	4000, 2000
GAHL 4/A1 G657A1 S12 T2000 H4019050/4AH-3	Black	4	1x4	25	80	50	1000	2.0	5	2000
GAHL 4/A4 G657A1 S12 T4000 H4019050/4AH-4	Black	4	1x4	25	80	50	1000	2.0	5	4000
GAHL 6/A6 G657A1 S12 TOL4019050/6AH	Black	6	1x6	25	80	50	1000	2.0	5	4000
GAHL 6/A6 G657A1 S12 T2000 H4019050/6AH-3	Black	6	1x6	25	80	50	1000	2.0	5	2000/K4
GAHL 6/A6 G657A1 S12 T4000 H4019050/6AH-4	Black	6	1x6	25	80	50	1000	2.0	5	4000/K4
GAHL 8/A8 G657A1 S12 TOL4019050/8AH	Black	8	1x8	25	80	50	1000	2.0	6.5	4000
GAHL 8/A8 G657A1 S12 T2000 H4019050/8AH-3	Black	8	1x8	25	80	50	1000	2.0	6.5	2000
GAHL 8/A8 G657A1 S12 T4000 H4019050/8AH-4	Black	8	1x8	25	80	50	1000	2.0	6.5	4000
GAL 12/A12 G657A1 S12 TOL4019050/12AH	Black	12	1x12	35	50	30	1000	2.1	8	4000
GAL 12/A12 G657A1 S12 T2000 H4019050/12AH-3	Black	12	1x12	35	50	30	1000	2.1	8	2000
GAL 12/A12 G657A1 S12 T4000 H4019050/12AH-4	Black	12	1x12	35	50	30	1000	2.1	8	4000