

Nano Cable for Air Blown Installation – TOL 401 9050

GAHL 2-8 Fibers, GAL 12 Fibers G657A1



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.

RAPTOR
HEXATRONIC



Typical Data

Temperature range¹

Operation -45 to +70°C

Storage -45 to +70°C

Handling -20 to +60°C

Cable temperature,
blown installation -15 to +40°C

Bending radius²

Cable bend radius, temporarily

2-8 fiber ≥ 20 mm

12 fiber ≥ 30 mm

Cable bend radius, single turn permanent

2-8 fiber ≥ 25 mm

12 fiber ≥ 35 mm

Tensile force²

During installation

2-8 fiber ≤ 80 N

12 fiber ≤ 50 N

During operation

2-8 fiber ≤ 50 N

12 fiber ≤ 30 N

Crush²

2-12 fiber ≤ 1000 N

Fiber type

ITU-T G657A1

¹ IEC 60794-1-22

² IEC 60794-1-21

Delivery Information

Supplied lengths 1, 2, 4 km

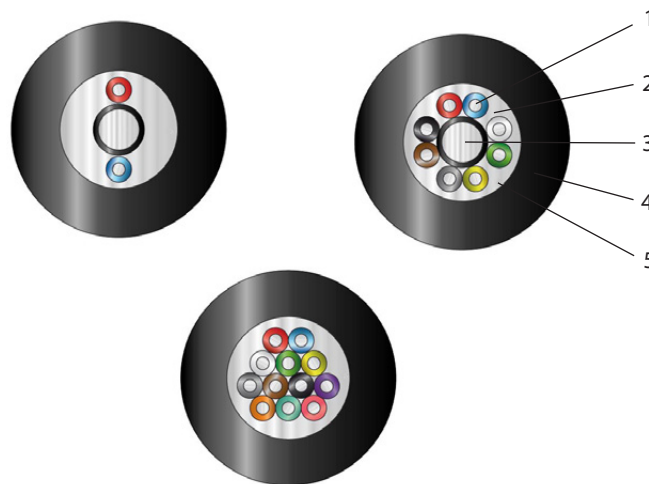
Color Coding

The cable is available in all major color coding systems, such as S12, TIA598, DIN0888 and FIN2012. For detailed information on the color code systems, contact Hexatronic.

Design

1. Primary coated fiber Primary coated SM G 657A1
2. Buffer UV-cured polymer layer
3. Strength member Coated glass fiber reinforced plastic*
4. Sheath Low friction thermoplastic
5. Ripcord Polyester yarn

* 2-8 fiber versions only



Ordering Information

Product Number	Number of Fibers x Type	Diameter (mm)	Weight (kg/km)	Color Code
TOL 401 9050/2AH	2 x G657A1	2.0	3.3	S12
TOL 401 9050/4AH	4 x G657A1	2.0	3.5	S12
TOL 401 9050/6AH	6 x G657A1	2.0	3.6	S12
TOL 401 9050/8AH	8 x G657A1	2.0	3.7	S12
TOL 401 9050/12AH	12 x G657A1	2.1	3.6	S12
TOL 401 9050/2C	2 x G657A1	2.0	3.3	TIA598
TOL 401 9050/4C	4 x G657A1	2.0	3.5	TIA598
TOL 401 9050/6C	6 x G657A1	2.0	3.6	TIA598
TOL 401 9050/8C	8 x G657A1	2.0	3.7	TIA598
TOL 401 9050/12C	12 x G657A1	2.1	3.6	TIA598
TOL 401 9051/2AB	2 x G657A1	2.0	3.3	DIN0888
TOL 401 9051/4AB	4 x G657A1	2.0	3.5	DIN0888
TOL 401 9051/6AB	6 x G657A1	2.0	3.6	DIN0888
TOL 401 9051/8AB	8 x G657A1	2.0	3.7	DIN0888
TOL 401 9051/12AB	12 x G657A1	2.1	3.6	DIN0888
TOL 401 9051/2AL	2 x G657A1	2.0	3.3	FIN2012
TOL 401 9051/4AL	4 x G657A1	2.0	3.5	FIN2012
TOL 401 9051/6AL	6 x G657A1	2.0	3.6	FIN2012
TOL 401 9051/8AL	8 x G657A1	2.0	3.7	FIN2012
TOL 401 9051/12AL	12 x G657A1	2.1	3.6	FIN2012