

Nano Cable for Air Blown Installation – TOL 401 9080

GAHL 2-8 Fibers, GAL 12 Fibers G657A1



Features

- New design! 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 MKII 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.

RAPTOR
HEXATRONIC



Nano Cable for Air Blown Installation – TOL 401 9050

Typical Data

Temperature range¹

Operation -45 to +70°C

Storage -45 to +70°C

Handling -15 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 fiber ≤ 700 N

4-8 fiber ≤ 900 N

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

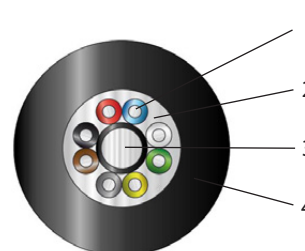
Transmission Characteristics

Attenuation	@ 1310nm	@ 1550nm
Average in Cable	0.31 dB/km	0.20 dB/km
Max	0.38dB/km	0.25dB/km

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

* 2-8 fiber versions only



Ordering Information

Product Number	Number of Fibers x Type	Diameter (mm)	Weight (kg/km)	Color Code
TOL 401 9080/2AH	2 x G657A1	2.0	3.3	S12
TOL 401 9080/4AH	4 x G657A1	2.0	3.5	S12
TOL 401 9080/6AH	6 x G657A1	2.0	3.6	S12
TOL 401 9080/8AH	8 x G657A1	2.0	3.7	S12
TOL 401 9080/12AH	12 x G657A1	2.1	3.6	S12
TOL 401 9080/2C	2 x G657A1	2.0	3.3	TIA 598
TOL 401 9080/4C	4 x G657A1	2.0	3.5	TIA 598
TOL 401 9080/6C	6 x G657A1	2.0	3.6	TIA 598
TOL 401 9080/8C	8 x G657A1	2.0	3.7	TIA 598
TOL 401 9080/12C	12 x G657A1	2.1	3.6	TIA 598
TOL 401 9080/2AB	2 x G657A1	2.0	3.3	DIN 0888
TOL 401 9080/4AB	4 x G657A1	2.0	3.5	DIN 0888
TOL 401 9080/6AB	6 x G657A1	2.0	3.6	DIN 0888
TOL 401 9080/8AB	8 x G657A1	2.0	3.7	DIN 0888
TOL 401 9080/12AB	12 x G657A1	2.1	3.6	DIN 0888
TOL 401 9080/2AL	2 x G657A1	2.0	3.3	FIN 2012
TOL 401 9080/4AL	4 x G657A1	2.0	3.5	FIN 2012
TOL 401 9080/6AL	6 x G657A1	2.0	3.6	FIN 2012
TOL 401 9080/8AL	8 x G657A1	2.0	3.7	FIN 2012
TOL 401 9080/12AL	12 x G657A1	2.1	3.6	FIN 2012