

Nano Cable for Air Blown Installation – TOL 401 9070

GPL 24 Fibers, G657A1 and G657A2



Features

- 24 fiber ultra slim cable for installation into microducts down to 3.5mm inner diameter
- Installation by blowing
- Extra strong and durable
- Smooth, low-friction sheath
- Excellent installation performance
- Available with bend resistant fiber, G657A1 or G657A2
- Temperature range from -20 to +70°C
- Halogen-free

Application

Hexatronic's high performance Air Blown Nano Cable 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. Optimal installation performance is obtained with ducts ID 5-10mm.

Design

The new 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.

The cable is available with single mode bend resistant G657A1 or G657A2 fibers.



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Typical Data

Temperature range

Operation -20 to +70°C

Storage -20 to +70°C

Handling -15 to +60°C

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

Bending radius

Cable bend radius, temporarily
..... ≥ 30 mm

Cable bend radius, single turn permanent
..... ≥ 35 mm

Tensile force

During installation ≤ 50 N

During operation ≤ 30 N

Mechanical properties

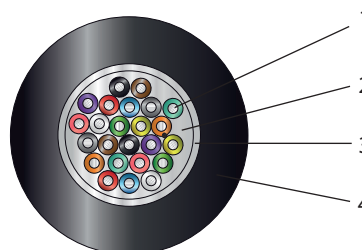
Crush IEC 60794-1-21 method E3, 500N

Kink IEC 60794-1-21 method E10

Bend IEC 60794-1-21 method E11

Fiber type

ITU-T G657A1 or G657A2



Design

1. Primary coated fiber Silica, acrylate
2. Filling Thixotropic gel
3. Loose tube PA
4. Sheath Polyethylene, halogen-free

Color Coding

The cable consist of 24 fibers in a central tube. The color code system for the cable is according to TIA-598, S12, FIN 2012, and DIN 0888.

Fibers according to the TIA-598 (Bellcore) system: 1-blue, 2-orange, 3-green, 4-brown, 5-grey, 6-white, 7-red, 8-black, 9-yellow, 10-violet, 11-pink, 12-turquoise. Fiber 13-24 has the same color as 1-12 but marked with a ring. Exception: Fiber 20 is transparen with ring mark.

S12=Fibers according to S12 color code system: 1-red, 2-blue, 3-white, 4-green, 5-yellow, 6-grey, 7-brown, 8-black, 9-violet, 10-orange, 11-turquoise, 12-pink. Tubes: 1 – red, 2 – blue, 3 - 12 – white. Fiber 13-24 has the same color as 1-12 but marked with a ring. Fiber 20 is transparen with ring mark.

For a description of the FIN 2012 and DIN 0888, contact Hexatronic.

Ordering Information

Product Number	Number of Fibers x Type	Diameter (mm)	Weight (kg/km)
TOL 401 9070/24	24 x G657A1	2,4	3,8
TOL 401 9071/24	24 x G657A2	2,4	3,8