Concentric core Loose tube Micro cable 24 fibers, TOL 405 9006

Indoor cable GNHQBDUV dielectric G657.A2

Features

- Easy to strip and identify fibers
- Dry construction
- Small bending diameter
- Only 6.2 mm in diameter
- Robust and flexible design
- Halogen-free and flame-retardant sheath

Application

GNHQBDUV is a fiber optic micro cable for indoor installation. The cable is a part of the Ericsson's Micronet system and is designed for access and metropolitan network applications.
The micro cable can be installed in small ducts, vertical riser, or direct on cable-ladders. The micro cable consists of 6 small loose tubes with 4 fibers per unit. This enables a fiber count of 24 fibers.
The cable is designed to be installed in pipes with an inner diameter of only 8 mm by pulling or blowing.

The micro cable is based on proven Ericsson fiber optic cable technology.

Typical data

Temperature range	
Operation	-10 till +40°C
Storage	-40 till +70°C
Installation	-15 till +40°C
Cable bend radius	
¼ turn permanent	≥ 20 mm
single turn permanent	≥ 20 mm
multiple turns permanent	≥ 30 mm
Tensile force	
during installation	≤ 300 N
during operation	≤ 100 N
Crush resistance	≤ 1000 N/10cm
Flame resistance in accordance with	IEC 60332-3-24 and UL 1685 class OFN
Water penetration in accordance with	IEC 60794-1-2-F5B
Delivery lengths	2, 4 km
Drum diameter	760, 900 mm

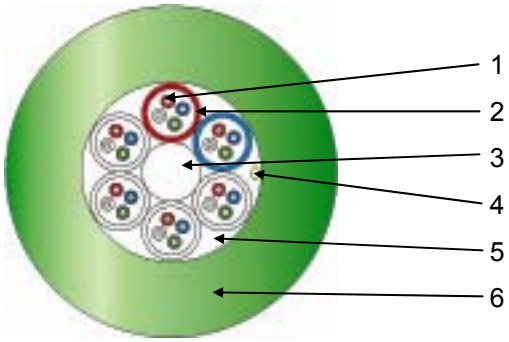
Mechanical and environmental test in accordance with draft IEC 60794-5
Fiber parameters and tests according to the IEC series 60793-2 and 60793-1

Order information

Order number	No. of fibers	Diameter [mm]	Weight [kg]
TOL 405 9006/24A	24	6.2	42

Ordering information for standard types of the GNHQBDUV cable:
The order number corresponds to a cable with single-mode G657.A2 fibers colored according to standard Ericsson color code (see product information “Standard Ericsson fiber color code”).

Other combinations such as fiber types, fiber colors and specific technical properties are available on request, please contact our sales department.



Design
1 Primary coated fiber ..... Silica, acrylate
2 Loose tube ..... PA
3 Central strength member ... Glass fiber reinforced plastic
4 Slit up yarn..... Aramid yarn
5 Water blocking ..... Swellable yarn
6 Sheath ..... Polyethylene, (HFFR-PE) Green

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