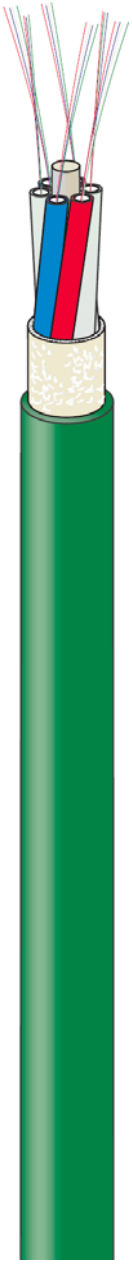
Fiber optic cable TOL 405 2003

GRHQBDUV, 4–144 fibers
Concentric core design, loose tube, flame retardant, halogen-free, dielectric



Application

The GRHQBDUV is a loose tube, concentric core cable enabling a cost effective solution for indoor/outdoor installation.

Each tube contains up to 12 fibers, and the cable up to 12 tubes.

Being completely dielectric it can be installed in environments where there can be electrical interference, for example adjacent to power lines.

The cable sheath should be protected from direct sunlight and moisture.

Dry water blocking tape prevents water penetration along the cable.

Features

- Concentric core design
- 4–144 fibers
- Flame retardant and halogen-free
- Dry water blocking
- Dielectric

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Typical data

Temperature range[1)]
Operation .....–30 to +70ºC
Storage .....–40 to +70ºC
Installation.....–15 to +50ºC

Bending radius[1)]
Temporarily unloaded .....≥ 10×cable diameter
Permanently (one turn) and during installation
.....≥ 15×cable diameter

Tensile force[1)]
During installation .....≤ 3.0 kN
Permanently.....≤ 1.5 kN

Crush resistance[1)] .....≤ 1.5 kN/100 mm

Water penetration
Complies with..... IEC 60794-1-2-F5

Flame resistance
Complies with .....IEC 60332-3-24

Delivery information
Supplied lengths .....2, 4, 6, or 8 km
Drum type[2)]

1) Tested in accordance with IEC 60794-1
2) See drum tables

Order information

Product number	No. of fibers	Diameter [mm]	Weight [kg/km]
TOL 405 2003/24A	24	12.5	150
TOL 405 2003/48A	48	12.5	150
TOL 405 2003/72A	72	15	175
TOL 405 2003/96A	96	17	220
TOL 405 2003/144A	144	21	330

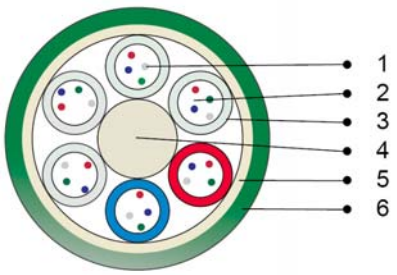
Ordering information for standard types of the GRHQBDUV cable. The order number corresponds to a cable with standard single mode fibers colored according to standard Ericsson color code (see product information “Standard Ericsson fiber color code”).

Other combinations such as:
- fiber types
- fiber colors
- total number of fibers
- number of fibers in each tube

and specific technical information are available on request, please contact sales department.

Design

1 Primary coated fiber.....Silica, acrylate
2 Filling compound.....Thixotropic gel
3 Loose tube.....PBT
4 Strength member.....Glass fiber reinforced plastic
5 Water blocking.....Water blocking tape
6 Sheath.....Polyethylene, flame-retardant, halogen-free



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