Flame Retardant Indoor/Outdoor Cable

GNHOQ 12-96 fibers G657A1 Dca S12

Features

- Up to 96 fibers
- Fiber G657A1
- Excellent installation performance
- Easy to strip and identify fibers
- Very good temperature performance
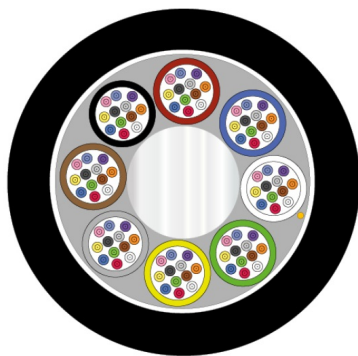- Length water blocked
- Halogen-free flame retardant - CPR Dca

Application

The cable is a fiber optic micro cable for indoor/outdoor installation. Typical applications are for installations in vertical risers for multi dwelling units in FTTX networks.

Design

The cable consists of up to 8 loose tubes with 12 fibers per tube.

Product Information

1 Primary coated fiber: Silica, acrylate

2 Loose tube: PA

3 Filling compound: Thixotropic gel

4 Central strength member: Glass fiber reinforced plastic, coated

5 Bedding compound, flame retardant

6 Water blocking element

7 Slit up yarn

8 Sheath: Halogen-free, flame retardant polyolefine

Technical Information

Product Color	Black sheath
Color Code	S12
Temperature, Operation [°C]	-45 to +70
Temperature, Storage [°C]	-45 to +70
Temperature, Installation [°C]	-15 to +40

Water Blocking	Water penetration in accordance with IEC 60794-1-22 method F5B.
Reaction to Fire	EN 13501-6 CPR classification DCa-s2, d1
Fiber Type	G657A1
Attenuation @Wavelength [nm]	1310/1550/1625
Average Attenuation [dB/km]	0.36/0.22/0.25
Maximum Attenuation [dB/km]	0.38/0.25/0.30
Conformance	Fire rating according to EN 13501-6 CPR classification DCa-s2, d1. Longitudinal water blocking according to IEC 60794-1-2-F5B. Mechanical and environmental tests in accordance with IEC 60794-5-10. Fiber parameters and tests according to the IEC series 60793-2 and 60793-1.
Certifications	Fire rating according to EN 13501-6 CPR classification DCa-s2, d1
Marking	Example of sheath marking. Standard marking 1 time/meter: "HEXATRONIC yymmddhh TOL4059021/zzA GNHOQ-K-CDGNRV zz/T12 G657A1 Dca-s2,d1 xxxx m" where yymmddhh= year, month, day and hour of manufacture, zz=number of fibers in cable, xxxx=running meter marking
Installation Notes	The cable should be installed at a temperature between -15 to +40°C. The cable shall not be stored in direct sunlight. The sun may heat up the cable over the permitted temperature limit.

Technical Details

S12 Fibrer och rör Fibers and Tubes	1	2	3	4	5	6	7	8	9	10	11	12
	Röd Red	Blå Blue	Vit White	Grön Green	Gul Yellow	Grå Grey	Brun Brown	Svart Black	Violett Violet	Orange	Turkos Turquoise	Rosa Pink
	13	14	15	16	17	18	19	20	21	22	23	24
	Röd | Red |	Blå | Blue |	Vit | White |	Grön | Green |	Gul | Yellow |	Grå | Grey |	Brun | Brown |	Klar | Clear |	Violett | Violet |	Orange |	Turkos | Turquoise |	Rosa | Pink |

Articles 3

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Torsion [°]	Diameter Ø [mm]	Weight [kg/km]
GNHOQ 24/T12 G657A1 S12 TOL4059021/24AH	Black	24	2x12	90	1100	2000	5	180	9.3	90
GNHOQ 48/T12 G657A1 S12 TOL4059021/48AH	Black	48	4x12	90	1100	2000	5	180	9.3	90
GNHOQ 96/T12 G657A1 S12 TOL4059021/96AH	Black	96	8x12	90	1100	2000	5	180	9.3	90