

# Flame Retardant Slim Indoor Cable – Slim

**GNHQ 12-96 fibers G657A2 UL1685 StdE**

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## Features

- 12-96 fibers
- Excellent bend performance
- Excellent installation performance
- Easy to strip and identify fibers
- Length water blocked
- Halogen-free flame retardant
- UL1685 Approved

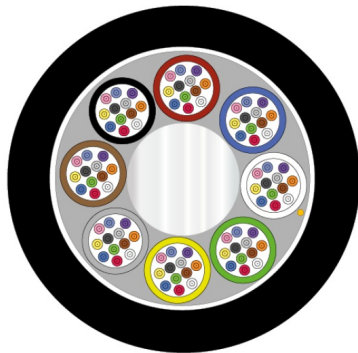
## Application

The cable is a fiber optic micro cable for indoor installation. Typical applications are for installations multi dwelling units in FTTH networks.

## Design

Micro cable based on a slim loose tube design with up to eight tubes per cable. The design facilitates fiber preparation and mid-span access. The cable contains bend-resistant G657A2 fibers that gives the cable excellent bend performance.

## 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
- 5 Slit up yarn: Aramide yarn
- 6 Water blocking yarns)
- 7 Outer sheath: Polyethylene, flame retardant, halogen-free

Black fillers can replace empty white tubes.

## Technical Information

<b>Product Color</b>	Green sheath
<b>Color Code</b>	STDE
<b>Temperature, Operation [°C]</b>	-10 to +50
<b>Temperature, Storage [°C]</b>	-40 to +70

<b>Temperature, Installation [°C]</b>	-10 to +50
<b>Water Blocking</b>	Longitudinal water blocking according to IEC 60794-1-2-F5B
<b>Reaction to Fire</b>	Flame resistance according to IEC 60332-3-24 and UL 1685
<b>Fiber Type</b>	G657A2
<b>Attenuation @Wavelength [nm]</b>	1310/1550/1625
<b>Average Attenuation [dB/km]</b>	0.36/0.22/0.25
<b>Maximum Attenuation [dB/km]</b>	0.38/0.25/0.30
<b>Conformance</b>	<p>Longitudinal water blocking according to IEC 60794-1-2-F5B.</p> <p>Mechanical and environmental tests in accordance with IEC 60794-5-10.</p> <p>Fiber parameters and tests according to the IEC series 60793-2 and 60793-1.</p>
<b>Certifications</b>	UL Listed
<b>Marking</b>	<p>Example of sheath marking, 1 time/meter:</p> <p>“HEXATRONIC yymmddhh TOL4059006/24A GNHQBDUV 24 G.657.A2 OFN UL xxxxx m”</p> <p>where yymmddhh = year, month, day and hour of manufacture, xxxxx=running meter marking.</p>
<b>Installation Notes</b>	<p>If the cable is installed by blowing the temperature shall be -10 to +40°C. The cable shall not be stored in direct sunlight. The sun may heat up the cable over the permitted temperature limit.</p>
<b>Ordering Information</b>	Supplied length: 4km

## Technical Details

Std-E Fibers	1	2	3	4	5	6	7	8	9	10	11	12
	Red	Blue	White	Green	Yellow	Grey	Brown	Black	Orange	Violet	Pink	Turquoise
	13	14	15	16	17	18	19	20	21	22	23	24
	Red	Blue	White	Green	Yellow	Grey	Brown	Clear	Orange	Violet	Pink	Turquoise
Std-E Tubes	1	2	3-6				7	8-16				
	Red	Blue	White				Blue	White				

*StdE Color Code Chart*

## Articles 1

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force [N]	Crush [N/100 mm]	Diameter Ø [mm]	Weight [kg/km]	Length [m]
<b>GNHQBDUV 24 G657A2</b> TOL4059006/24A	Green	24	2x12	30	300	1000	6.6	46	2000/K8, 4000/K8