

Flame Retardant Indoor Cable – Slim

12-96 fibers G657A1 Eca TIA598

Features

- Up to 96 fibers
- Excellent bend performance
- Excellent installation performance
- Easy to strip and identify fibers
- Very good temperature performance
- Length water blocked - Halogen-free flame retardant
- G657A1 bend resistant fiber

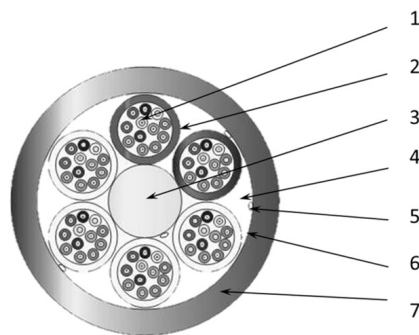
Application

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

Design

The cable consists of up to 12 loose tubes with 12 fibers per tube. G657A1 fibers are used for improved installation performance.

Product Information



- 1 Primary coated fiber: Silica, acrylate
- 2 Loose tube: PA
- 3 Central strength member: Glass fiber reinforced plastic, PE
- 4 Filling compound: Thixotropic gel
- 5 Slit up yarn: Aramide yarn
- 6 Wrapping: Water blocking yarns
- 7 Sheath: Polyethylene, halogen-free

Technical Information

Product Color	Green sheath
Color Code	TIA598
Temperature, Operation [°C]	-40 to +70
Temperature, Storage [°C]	-40 to +70
Temperature, Installation [°C]	-15 to +50
Water Blocking	Longitudinal water blocking according to IEC 60794-1-2-F5B

Reaction to Fire	Flame resistance according to IEC 60332-3-24 and CE Eca EN50575:2014
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	Flame resistance according to IEC 60332-2-24 and CE Eca EN50575:2014. 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.
Marking	Example of sheath marking, 1 time/meter: "HEXATRONIC A35 yymmddhh TOL4059011/12C GNHQ-I-CDGRV 12/T12 G657A1 TIA-598 xxxx m" where yymmddhh = year, month, day and hour of manufacture, 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.
Ordering Information	Supplied lengths: 2, 4, 8 km

Technical Details

TIA-598 Fibers and Tubes	1	2	3	4	5	6	7	8	9	10	11	12
	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua
13	14	15	16	17	18	19	20	21	22	23	24	
Blue	Orange	Green	Brown	Slate	White	Red	Clear	Yellow	Violet	Rose	Aqua	

TIA 598 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]
GNHQ 12/T12 G657A1 TIA598 TOL4059011/12C	Green	12	1x12	75	800	2000	8.3	80	2000/K10, 4000/K10