Unitube Drop Cable

GPGL 2-12 fibers G657A1 TIA598

Features

- Slim design for installation into microducts down to 3.5 mm inner diameter
- Installation by blowing or pulling
- Extra strong and durable, with integrated aramide strength member
- Smooth, low-friction sheath
- Excellent installation performance
- Halogen-free

Application

The unitube drop cable is a high performance Air Blown Cable that will minimize initial investment and at the same time provide a future proof network that is easy to expand, upgrade and maintain. The main application areas are for fiber access networks such as Fiber To The Home (FTTH) and Fiber To The Antenna (FTTA). The cable is intended for installation in microducts with an inner diameter from 3.5mm up to 12mm.

Design

The unitube cable has a design that enables the cable to be blown or pulled through microducts. The cable is based on a unitube design surronded with aramide yarns as strength member. With the integrated strength member, the cable is ideal for both blowing and pulling. The strength member also adds increased stability and robustness to the cable. The cable is available with single mode bend resistant G657A1.

Product Information

1 Primary coated fiber: Silica, acrylate
2 Loose tube
3 Filler: Thixotropic gel
4 Strength member: Aramide yarns
5 Sheath: Polyethylene (black)

Technical Information

Product Color	Black Sheath
Color Code	TIA598
Temperature, Operation [°C]	-40 to +70
Temperature, Storage [°C]	-40 to +70
Temperature, Installation [°C]	-15 to +60
Fiber Type	G657A1
Attenuation @Wavelength [nm]	1310/1550
Average Attenuation [dB/km]	0.33/0.21
Maximum Attenuation [dB/km]	0.38/0.25

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Conformance	Fiber parameters and tests according to the IEC series 60793-2 and 60793-1.
Marking	Example of sheath marking: HEXATRONIC A35 yymmddhh TOL4016101/8C GPGL-U-DGV 8/T8 G657A1 TIA598 + meter marking
Installation Notes	The cable is intended for installation in microducts with an inner diameter from 3.5mm up to 12mm. 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

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 5

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Diameter Ø [mm]	Weight [kg/km]
GPGL 2/T2 G657A1 TIA598 TOL4016101/2C	Black	2	1x2	35	150	1000	1	2.4	5
GPGL 4/T4 G657A1 TIA598 TOL4016101/4C	Black	4	1x4	45	150	450	0.5	2.4	5
GPGL 6/T6 G657A1 TIA598 TOL4016101/6C	Black	6	1x6	45	150	450	0.5	2.4	5
GPGL 8/T8 G657A1 TIA598 TOL4016101/8C	Black	8	1x8	45	150	450	0.5	2.4	5
GPGL 12/T12 G657A1 S12 TOL4016101/12C	Black	12	1x12	45	250	450	0.5	2.4	5