

ADSS Loose Tube Aerial Cable

GRHLGL 192 fibers G657A1 S12 16 kN

Features

- Concentric core design
- 192 fibers
- Max span length 200-500 m
- Self-supporting
- Non-metallic

Application

The cable is an ADSS, non-metallic cable using concentric core design. The cable is based on the GRHLDV cable but with a layer of aramid yarn as strength member covered with a second sheath enabling a robust cable design.

The cable is suitable for installation in rough climates with high ice-loads and max span length 200-500 m. There is a suitable cable (TOL 403 2002) for shorter length.

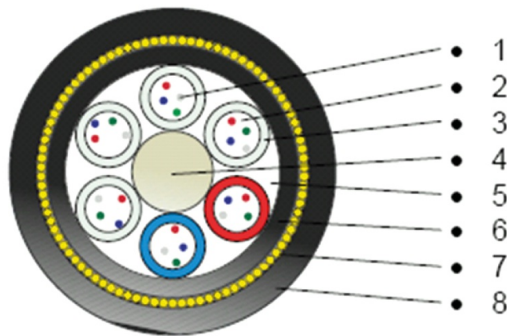
It can be installed adjacent to power lines up to 120 kV.

This cable is part of our Aerial Cable System comprising cables, installation and network materials.

Design

The cable is a dual sheathed non-metallic cable using concentric core design and aramide yarns as strength member between the sheaths.

Product Information



GENERAL ADSS DESIGN

- 1 Primary coated fiber: Silica, acrylate
- 2 Filling compound: Thixotropic gel
- 3 Loose tube: PBT (Color code in picture just as illustration)
- 4 Central strength member: Glass fiber reinforced plastic
- 5 Water blocking: Swellable tape/yarns
- 6 Sheath: Polyethylene (black)
- 7 Strength member: Aramid yarns
- 8 Sheath: Polyethylene (black)

Technical Information

Product Color	Black Sheath
Color Code	STDE
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
Fiber Type	G657A1
Attenuation @Wavelength [nm]	1310/1550/1625
Maximum Attenuation [dB/km]	0.36/0.23/0.25
Conformance	<p>Longitudinal water blocking according to IEC 60794-1-2-F5B.</p> <p>Mechanical and environmental tests in accordance with IEC 60794-1.</p> <p>Fiber parameters and tests according to the IEC series 60793-2 and 60793-1.</p>
Marking	<p>Example of sheath marking, 1 time/meter:</p> <p>“HEXATRONIC A35 yymmddhh TOL4032035/192AH GRHLGL-L-CDFNRV 192/T24 G657A1 S12 xxxxx m”</p> <p>where yymmddhh = year, month, day and hour of manufacture, xxxxx=running meter marking.</p>
Installation Notes	The cable can be installed adjacent to power lines up to 120 kV.
Ordering Information	Supplied lengths: 2, 4, 6 or 8 km

Technical Details

S12 Fiber 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
	Röd Red	Blå Blue	Vit White	Grön Green	Gul Yellow	Grå Grey	Brun Brown	Klar Clear	Violett Violet	Orange	Turkos Turquoise	Rosa Pink

Articles 1

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Tensile Force, Operation [N]	Crush [N/100 mm]	Diameter Ø [mm]	Weight [kg/km]	Form of Delivery
GRH.LGL 192/T24 G657A1 250um S12 TOL4032035/192AH	Black	192	8x24	300	16000	16000	2000	18.9	250	4000/K22, 8000/K24