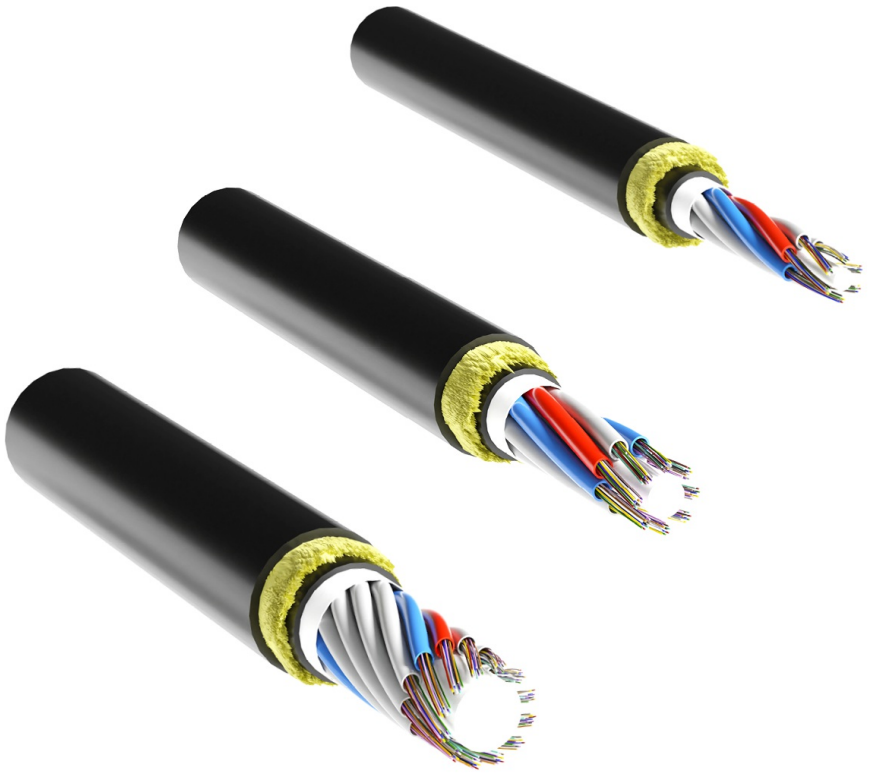


ADSS Loose Tube Aerial Cable

GRHLGL 12-144 fibers G652D StdE 14.5-18.0 kN

Features

- Concentric core design
- 24-144 fibers
- Max span length 200-500 m
- Self-supporting
- Non-metallic

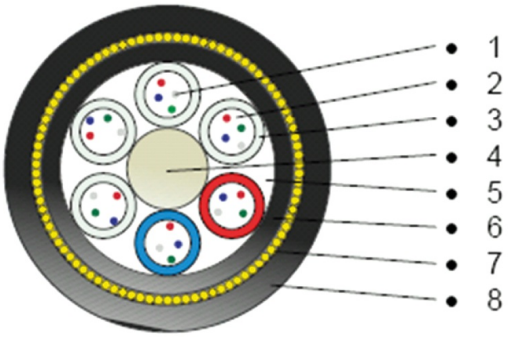
Application

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



1 Primary coated fiber: Silica, acrylate
2 Filling compound: Thixotropic gel
3 Loose tube: PBT
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	G652D
Attenuation @Wavelength [nm]	1310/1550/1625
Maximum Attenuation [dB/km]	0.36/0.23/0.25
Conformance	Longitudinal water blocking according to IEC 60794-1-2-F5B. Mechanical and environmental tests in accordance with IEC 60794-1. 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 TOL4032008/96A GRHLGL-L-CDFNRV 96/T12 G652D STD xxxxx m" where yymmddhh = year, month, day and hour of manufacture, xxxxx=running meter marking.
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

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 8

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]	Length [m]
GRHSLLDV 6 G652.D (1x6f) 14.5kN-15 TOL4032008/6A	Black	6	1x6	230	–	–	2500	15	170	6000/K22
GRHLGL 12/T4 G652D STD TOL4032008/12A	Black	12	1x12	230	–	–	2500	15	160	6000/K22
GRHLGL 24/T4 G652D STD TOL4032008/24A	Black	24	1x24	230	14500	14500	2500	15.1	160	6000/K22
GRHSLLDV 36 G652D, 14.5kN-15 mm TOL4032008/36A	Black	36	6x6	230	–	–	2500	14.8	170	6000/K22
GRHLGL 48/T8 G652D STD TOL4032008/48A	Black	48	1x48	230	15000	15000	2500	15.1	170	2000/K12, 6000/K22, 4000/K16
GRHSLLDV 72 G652, 14,5kN-16,5 mm TOL4032008/72A	Black	72	6x12	250	–	–	2500	16.5	210	4000/K20
GRHLGL 96/T12 G652D STD TOL4032008/96A	Black	96	8x12	290	16000	16000	2500	18.9	250	8000/K24, 6000/
GRHLGL 144/T12 G652D STD TOL4032008/144A	Black	144	12x12	350	18000	18000	2500	23.0	370	7300/K26, 4000/K24

