

# ADSS Loose Tube Aerial Cable

**GRHSLDV 12-144 fibers G652D StdE 4.0 kN**

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## Features

- Slim and low weight
- Dry construction
- Self-supporting
- Dielectric
- Halogen-free
- Maximum span length of 60-170 meters

## Application

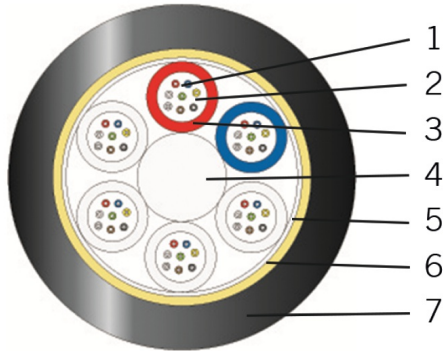
The cable is an ADSS, non-metallic cable using concentric core design. The cable utilizes aramid yarn as strength member. This extremely slim and low weight cable is suitable for a maximum span length of 60-170 meters. It can be installed adjacent to power lines up to 120 kV.

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

## Design

The cable is a non-metallic cable using concentric core design and aramide yarns as strength member.

## 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, PE
- 5 Water blocking: Swellable tape
- 6 Strength member: Aramide yarns
- 7 Sheath: Polyethylene, Black

## Technical Information

<b>Product Color</b>	Black Sheath
<b>Color Code</b>	STDE
<b>Temperature, Operation [°C]</b>	-40 to +70
<b>Temperature, Storage [°C]</b>	-40 to +70
<b>Temperature, Installation [°C]</b>	-15 to +50

<b>Water Blocking</b>	Longitudinal water blocking according to IEC 60794-1-2-F5.
<b>Fiber Type</b>	G652D
<b>Attenuation @Wavelength [nm]</b>	1310/1550/1625
<b>Maximum Attenuation [dB/km]</b>	0.36/0.23/0.25
<b>Conformance</b>	<p>Longitudinal water blocking according to IEC 60794-1-2-F5.</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>
<b>Marking</b>	<p>Example of sheath marking, 1 time/meter:</p> <p>"HEXATRONIC A35 yymmddhh TOL4032003/96A GRHSLDV 96 G.652.D xxxx m"</p> <p>where yymmddhh = year, month, day and hour of manufacture, xxxx=running meter marking.</p>
<b>Installation Notes</b>	It can be installed adjacent to power lines up to 120 kV.
<b>Ordering Information</b>	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 7

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]
<b>GR-SLDV 8 G652D 4 kN-11,7 mm</b> TOL4032003/8A	Black	8	2x4	180	4000	4000	1500	11.5	100	–
<b>GR-SLDV 12 G652D 4 kN-11,7 mm</b> TOL4032003/12A	Black	12	3x4	180	4000	4000	1500	11.5	100	–
<b>GR-SLDV 24 G652D 4 kN-11,7 mm</b> TOL4032003/24A	Black	24	6x4	180	4000	4000	1500	11.5	100	8000/K18, 6000/K16
<b>GR-SLDV 36 G652D 4 kN-11,7 mm</b> TOL4032003/36A	Black	36	6x6	180	4000	4000	1500	11.5	100	–
<b>GR-SLDV 48 G652D 4 kN-11,7 mm</b> TOL4032003/48A	Black	48	4x12	180	4000	4000	1500	11.5	100	8000/K18, 6000/K16
<b>GR-SLDV 72 G652D 5 kN-13,4 mm</b> TOL4032003/72A	Black	72	6x12	200	4000	4000	1500	13.4	130	–
<b>GR-SLDV 96 G652D 5,5 kN-15,4 mm</b> TOL4032003/96A	Black	96	8x12	230	4000	4000	1500	15.4	170	4000/K18, 6000/K20, 8000/K22