

# ADSS Loose Tube Aerial Cable

**GRHSLDV 12-144 fibers G652D TIA598 4.0-7.0 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

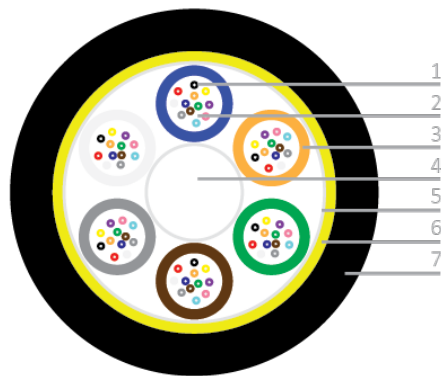
The cable is an ADSS, non-metallic cable using concentric core design. The cable utilizes aramid yarn as strength member. This extremely slim and low weight cable is suitable for a maximum span length of 60-170 meters. It can be installed adjacent to power lines up to 120 kV.

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 aramid 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: Aramid yarns
- 7 Sheath: Polyethylene, Black

## Technical Information

<b>Product Color</b>	Black Sheath
<b>Color Code</b>	TIA598
<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 60793-1 and 60793-2</p>
<b>Marking</b>	<p>The sheath is marked every meter with the following as an example:</p> <p>"HEXATRONIC A35 yymmddhh TOL4032003/96C GRHSLDV 96 G.652.D xxxxx m"</p> <p>where yymmddhh = year, month, day and hour of manufacture, xxxxx=running meter marking.</p>
<b>Technical Notes</b>	<p>Span lengths noted are a guide only and are subject to change based on installation sag and environment. Contact Hexatronic for specific recommendations around span lengths and tensile loads based on your installation environment. Suitable for installation adjacent to power lines up to 120 kV.</p>
<b>Ordering Information</b>	Supplied lengths: 2, 4, 6 or 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 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]	Form of Delivery
<b>GRHSLDV 12/T4 G652D 250um TIA</b> TOL4032003/12C	Black	12	3x4	180	4000	4000	1500	11.5	100	6000/K16, 8000/K18
<b>GRHSLDV 24/T4 G652D 250um TIA</b> TOL4032003/24C	Black	24	6x4	180	4000	4000	1500	11.5	100	6000/K16, 8000/K18
<b>GRHSLDV 36/T6 G652D 250um TIA</b> TOL4032003/36C	Black	36	6x6	180	4000	4000	1500	11.5	100	6000/K16, 8000/K18
<b>GRHSLDV 48/T12 G652D 250um TIA</b> TOL4032003/48C	Black	48	4x12	180	4000	4000	1500	11.5	100	6000/K16, 8000/K18
<b>GRHSLDV 72/T12 G652D 250um TIA</b> TOL4032003/72C	Black	72	6x12	200	5000	5000	1500	13.4	130	6000/K20, 8000/K22
<b>GRHSLDV 96/T12 G652D 250um TIA</b> TOL4032003/96C	Black	96	8x12	230	5500	5500	1500	15.4	170	4000/K18, 6000/K20, 8000/K22
<b>GRHSLDV 144/T12 G652D 250um TIA</b> TOL4032003/144C	Black	144	12x12	290	7000	7000	1500	19.2	260	4000/K22