



# Slotted Core Ribbon Cable – Dry

**GAHSL 12-640 fibers G652D S12 - Dry**

---

## Features

- Dry water-blocking tape prevents water penetration along the cable
- 12-640 fibers, G652.D
- High packing density of the fibers is provided by the ribbon technique
- Dielectric
- Suitable for installation by blowing, floating or pulling

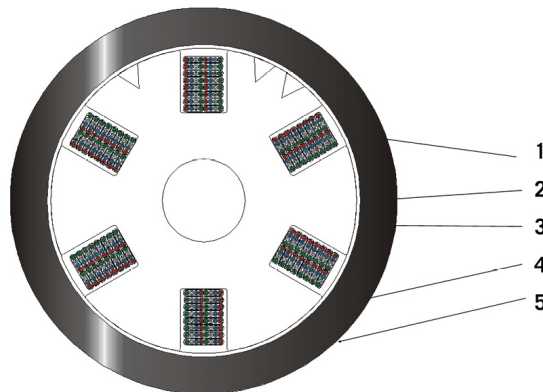
## Application

The cable is a dry 4- or 8-fiber ribbon cable for duct and direct buried installation. The slotted core design provides superior protection for the fiber ribbons. Each of the slots in the core contains 4- or 8-fiber ribbons. The 8-fiber ribbon can easily be split into two 4-fiber ribbons. Being completely dielectric, the cable can be installed in environments with electrical interference, e.g. near power lines. For direct burial installation, it is recommended that the cable is embedded in a minimum of 10 cm sand. The versatility of the cable and the inherent benefits of ribbon fiber technology, reduce the cost of installation.

## Design

The slotted core ribbon cables are designed with 4- or 8-fiber ribbons to give high packing density of the fibers. The glass fiber reinforced strength member and the slotted core design provide superior protection for the fiber ribbons. Dry water-blocking tape prevents water penetration along the cable

## Product Information



- 1 4- or 8-fiber ribbon: Silica, acrylate
- 2 Central strength member: Glass fiber reinforced plastic
- 3 Slotted core: Polyethylene
- 4 Water blocking: Swelling tape
- 5 Sheath: Polyethylene

## Technical Information

<b>Product Color</b>	Black Sheath
<b>Color Code</b>	S12
<b>Temperature, Operation [°C]</b>	-30 to +60

<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-F5B
<b>Fiber Type</b>	G652D
<b>Attenuation @Wavelength [nm]</b>	1310/1550/1625
<b>Average Attenuation [dB/km]</b>	0.36/0.20/0.25
<b>Maximum Attenuation [dB/km]</b>	0.38/0.25/0.28
<b>Conformance</b>	<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>
<b>Marking</b>	<p>Example of sheath marking, 1 time/meter:</p> <p>"HEXATRONIC XXX yymmddhh TOL4011020/384AH GAHSL-U-DHNV 384/B8 G652D xxxxx m"</p> <p>where yymmddhh = year, month, day and hour of manufacture, xxxxx=running meter marking.</p>
<b>Installation Notes</b>	<p>If direct burial installation it is recommended that the cable is embedded in a minimum of 10 cm sand. If duct installation 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.</p>
<b>Ordering Information</b>	Supplied lengths: 2, 4, 6 km (640-fibers cable max length is 5000 m)

## Articles 8

Article name	Color	No. of Fibers	Layout	Bend Radius [mm]	Crush [N/100 mm]	Diameter Ø [mm]	Dimensions [mm]	Weight [kg/km]	Length [m]
<b>GAHSL 24 G652D Dry SLIM (6x4f)</b> TOL4011023/24A	Black	24	6x4	–	–	9.7	–	110	8000/K16, 6000/K14, 4000/K12, 2000/K10
<b>GAHSL 48 G652D Dry SLIM (12x4f)</b> TOL4011023/48A	Black	48	12x4	–	–	9.7	–	110	8000/K16, 6000/K14, 4000/K12, 2000/K10
<b>GAHSL 96 G652D Dry (24x4f)</b> TOL4011023/96A	Black	96	24x4	–	–	13.5	–	150	4000/K16, 8000/K22, 6000/K20
<b>GAHSL 192 G652D Dry (24x8f)</b> TOL4011023/192A	Black	192	24x8	–	–	15.6	–	250	8000/K24, 6000/K22
<b>GAHSL 288 G652D</b> TOL4011020/288A	Black	288	36x8	300	3000	20	–	360	6000/K22
<b>GAHSL 384/B8 G652D</b> TOL4011020/384A	Black	384	48x8	300	3000	20	20	280	6000/K22
<b>GAHSL 480/B8 G652D</b> TOL4011020/480A	Black	480	60x8	300	3000	20	–	290	6000/K22
<b>GAHSL 640/B8 G652D</b> TOL4011020/640A	Black	640	80x8	330	3000	22.5	–	370	5000/K24