



Slotted Core Ribbon Cable

GAHSL 12-192 fibers G652D S12

Features

- Water blocking filling compound prevents water penetration along the cable
- 12-192 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

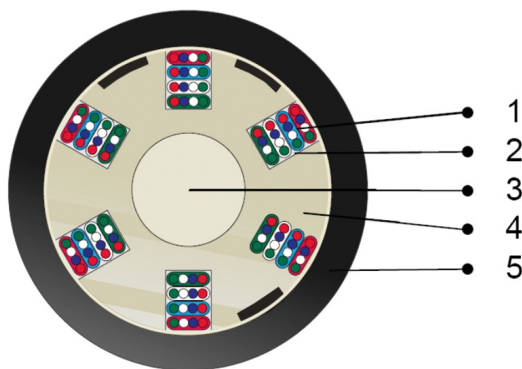
GAHSL is a 4-fiber or 8-fiber ribbon cable mainly for duct installation. There is also a slim variant available (TOL 401 1013). Being completely dielectric it can be installed in environments where there can be electrical interference, for example adjacent to power lines. The versatility of this cable design and the improved splicing properties of the ribbon 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.

Product Information



- 1 4- or 8-fiber ribbon: Silica, acrylate
- 2 Filling compound: Thixotropic gel
- 3 Central strength member: Glass fiber reinforced plastic
- 4 Slotted core: Polyethylene
- 5 Sheath: Polyethylene, halogen-free

Technical Information

Product Color	Black Sheath
Color Code	S12
Temperature, Operation [°C]	-30 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-F5
Fiber Type	G652D
Attenuation @Wavelength [nm]	1310/1550/1625
Average Attenuation [dB/km]	0.33/0.21/0.23
Maximum Attenuation [dB/km]	0.36/0.23/0.25
Conformance	Longitudinal water blocking according to IEC 60794-1-2-F5. 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 TOL4011001/96A GAHSL-U-DFNV 96/C4 G652D S12 xxxxx m" where yymmddhh = year, month, day and hour of manufacture, xxxxx=running meter marking.
Installation Notes	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.
Ordering Information	Supplied lengths: 2, 4, 6, 8 or 12 km

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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]
GAHSL 12/C4 G652D S12 TOL4011013/12A	Black	12	3x4	150	1500	1000	2000	9.5	75	4000/K12, 6000/K14, 8000/K16
GAHSL 24/C4 G652D S12 TOL4011013/24A	Black	24	6x4	150	1500	1000	2000	9.5	75	4000/K12, 6000/K14, 8000/K16
GAHSL 48/C4 G652D S12 TOL4011013/48A	Black	48	12x4	150	1500	1000	2000	9.5	95	4000/K12, 6000/K14, 8000/K16
GAHSL 4/C4 G652D S12 TOL4011001/4A	Black	4	1x4	175	2000	1500	6000	11.7	130	4000/K14, 8000/K18
GAHSL 8/C4 G652D S12 TOL4011001/8A	Black	8	2x4	175	2000	1500	6000	11.7	130	4000/K14, 8000/K18
GAHSL 12/C4 G652D S12 TOL4011001/12A	Black	12	3x4	175	2000	1500	6000	11.7	130	4000/K14, 8000/K18
GAHSL 24/C4 G652D S12 TOL4011001/24A	Black	24	6x4	188	2000	1500	6000	11.7	130	4000/K14, 8000/K18
GAHSL 48/C4 G652D S12 TOL4011001/48A	Black	48	12x4	188	2000	1500	6000	11.7	130	4000/K14, 8000/K18
GAHSL 72/C4 G652D S12 TOL4011001/72A	Black	72	18x4	210	2000	1500	6000	13.3	175	4000/K16, 8000/K20
GAHSL 96/C4 G652D S12 TOL4011001/96A	Black	96	24x4	210	2000	1500	6000	13.3	175	4000/K16, 8000/K20
GAHSL 96/B8 G652D S12 TOL4011002/96A	Black	96	12x8	230	2000	1500	6000	15.4	210	4000/K22, 6000/K22, 8000/K24
GAHSL 144/B8 G652D S12 TOL4011002/144A	Black	144	18x8	230	2000	1500	6000	15.4	210	4000/K22, 6000/K22, 8000/K24
GAHSL 192/B8 G652D S12 TOL4011002/192A	Black	192	24x8	230	2000	1500	6000	15.4	210	4000/K22, 6000/K22, 8000/K24