



Underwater Cable – Ribbon

GAHSALTL 12-192 fibers G652D S12

Features

- For lakes and rivers
- Water depth down to 100 m
- Compact design, down to 20 mm in diameter
- 12 to 192 fibers, G652.D
- Steel wire reinforcement
- Water blocking Al-foil

Application

The cable is a single armored, ribbon cable for shallow submarine installations where moderate protection is required.

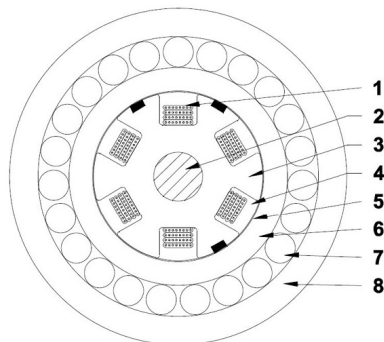
The cable is suitable for lakes and river crossings in all types of networks such as trunk, metropolitan and fiber access networks.

Design

This submarine cable is based on a slotted core fiber ribbon design for maximum protection. The fibers are protected by an aluminum foil and a polyethylene sheath. Outside the sheath there is a layer of galvanized steel wires covered with a heavy-duty layer of HDPE polymer.

The steel wire reinforcement provides reliable mechanical protection, enabling installation and operation during rough conditions.

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 Wrapping: Plastic coated Al-foil
- 6 Sheath: Polyethylene
- 7 Armoring: Galvanized steel wires
- 8 Sheath: Polyethylene

Technical Information

Product Color	Black Sheath
Color Code	S12
Temperature, Operation [°C]	-30 to +60
Temperature, Storage [°C]	-40 to +70
Temperature, Installation [°C]	-15 to +40
Water Blocking	Longitudinal water blocking according to IEC 60794-1-2-F5
Fiber Type	G652D
Attenuation @Wavelength [nm]	1310/1550/1625
Maximum Attenuation [dB/km]	0.36/0.23/0.25
Conformance	<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>
Marking	<p>Example of sheath marking, 1 time/meter:</p> <p>“HEXATRONIC A35 yymmddhh TOL4043001/12A GAHSALTL 12/C4 G.652.D xxxx m”</p> <p>where yymmddhh = year, month, day and hour of manufacture, xxxx=running meter marking.</p>
Installation Notes	The cable will sink and in most installations there is no need to add extra weight to keep it in place.
Ordering Information	Max continuous length: 10 km (4-96f), 7.8 km (144-192f)

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Article name	Color	No. of Fibers Layout		Weight [kg/km]	Length [m]
GAHSALTL 12/C4 G652D (3x4f) TOL4043001/12A	Black	12	3x4	900	12000/K30, 10000/K28, 6000/K26, 4000/K22, 3000/K20, 2000/K18
GAHSALTL 24 G652D (6x4f) TOL4043001/24A	Black	24	6x4	900	12000/K30, 10000/K28, 6000/K26, 4000/K22, 3000/K20, 2000/K19
GAHSALTL 48/C4 G652D (12x4f) TOL4043001/48A	Black	48	12x4	900	12000/K30, 10000/K28, 6000/K26, 4000/K22, 3000/K20, 2000/K20
GAHSALTL 96/C4 G652D (24x4f) TOL4043001/96A	Black	96	24x4	900	10000/K30, 8000/K28, 6000/K26, 4000/K26, 2000/K18
GASALTLV 144 G652D (18x8f) TOL4043002/144A	Black	144	18x8	1100	7950/K28, 5950/K28, 3950/K26
GAHSALTL 192/C8 G652D (24x8f) TOL4043002/192A	–	192	24x8	1100	7950/K28, 5950/K28, 3950/K26