Concentric Core Loose tube 24-144 fibers TOL 403 2008

ADSS GRHSLLDV dielectric

Features

- Concentric core design
- 24-144 fibers
- Max span length 200-500 m
- Self-supporting
- Non-metallic

The **GRHSLLDV** is an ADSS, non-metallic cable using concentric core design.

The cable is based on the GRHLDV cable but with a layer of aramid yarn as strength member covered with a second sheath enabling a robust cable design.

The cable is suitable for installation in rough climates with high ice-loads and max span length 200-500 m. There is a suitable cable (TOL 403 2002) for shorter length.
It can be installed adjacent to power lines up to 120 kV.

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

Typical data

Temperature range[1)]

Operation .....–40 to +70ºC
Storage .....–40 to +70ºC
Installation.....–15 to +50ºC

Bending radius[1)]

Temporarily unloaded.....≥ 10×cable diameter
Permanently (one turn)
and during installation .....≥ 15×cable diameter

Crush resistance[1)].....≤ 2.5 kN/100 mm

Water penetration

Complies with .....IEC 60794-1-2-F5

Delivery information

Supplied lengths .....2, 4, 6, or 8 km
Drum type[2)]

[1)] Tested in accordance with IEC 60794-1
[2)] See drum tables
[3)] Or according to customer requirements

Design

1 Primary coated fiber..... Silica, acrylate
2 Filling compound..... Thixotropic gel
3 Loose tube..... PBT
4 Central strength member..... Glass fiber reinforced plastic
5 Filling compound..... Polybutene based jelly
6 Sheath ..... Polyethylene (black)
7 Strength member..... Aramid yarn
8 Sheath ..... Polyethylene (black)

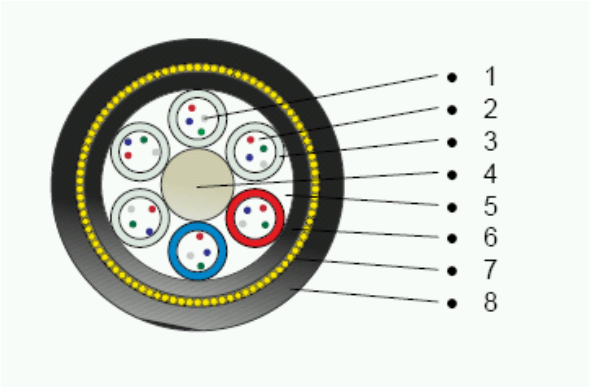
Order information

Product number	No. of fibers	Dia. [mm]	Tensile force [kN]	Weight [kg/km]
TOL 403 2008/24A	24	15.0	14.5	170
TOL 403 2008/48A	48	15.0	15.0	170
TOL 403 2008/96A	96	18.6	16.0	245
TOL 403 2008/144A	144	22.7	18.0	390

This ordering information covers standard types of the GRHSLLDV cable. The order number corresponds to a cable with standard single mode fibers colored according to standard Ericsson color code (see product information “Standard Ericsson fiber color code”).

Other combinations such as:
- fiber types
- fiber colors
- total number of fibers
- number of fibers in each tube

and specific technical information available on request.



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