

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

Application

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.



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Typical Data

Temperature range¹⁾

Operation-40 to +70°C

Storage-40 to +70°C

Installation-15 to +50°C

Bending radius¹⁾

Temporarily unloaded

.....≥ 10×cable diameter

Permanently (one turn) and during installation

.....≥ 15×cable diameter

Crush resistance¹⁾

.....≤ 2.5 kN/100 mm

Water penetration

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

Delivery Information

Supplied lengths2, 4, 6, or 8 km

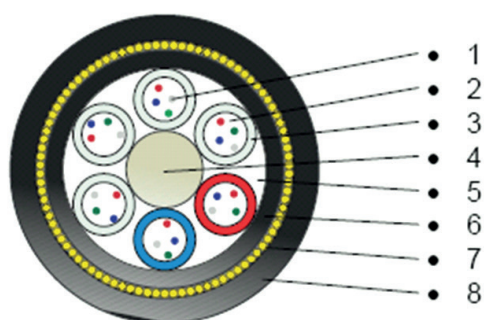
Drum type²⁾

1) Tested in accordance with IEC 60794-1

2) See drum tables

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. Water blocking..... Swellable tape/yarn
6. Sheath..... Polyethylene (black)
7. Strength member Aramid yarn
8. Sheath..... Polyethylene (black)



Ordering Information

PRODUCT NUMBER	NUMBER OF FIBERS	DIAMETER (MM)	TENSILE FORCE (kN)	WEIGHT (KG/KM)
TOL 403 2008/24A	24	15.1	14.5	170
TOL 403 2008/48A	48	15.1	15.0	170
TOL 403 2008/96A	96	18.9	16.0	245
TOL 403 2008/144A	144	23.0	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 Hexatronic color code (see product information "Standard Hexatronic 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.