

Concentric Core Loose Tube DryTech 4-192 Fibers – TOL 403 2010

Aerial Fig-8 GRCLCDV FRP Suspension Rod



Features

- Concentric core design
- 4–192 fibers
- Patented DryTech™ water blocking
- Self-supporting
- Easy installation
- Non-metallic

Application

The GRCLCDV is a concentric core ADSS figure-8 cable for installation on poles.

A suspension glass-fiber reinforced rod is integrated with the sheath creating the well-established figure-8 profile for easy installation.

The cable is suited for span length up to 75 meters.

For longitudinal water blocking the GRCLCV cable uses DryTech™, a foamed thermoplastic elastomer, filling compound in the cable core.

The 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

Tensile force¹⁾

During installation ≤ 8.5 kN
 Permanently ≤ 8.5 kN

Crush resistance¹⁾

..... ≤ 2.5 kN/100 mm

Water penetration

Complies with IEC 60794-1-2-F5

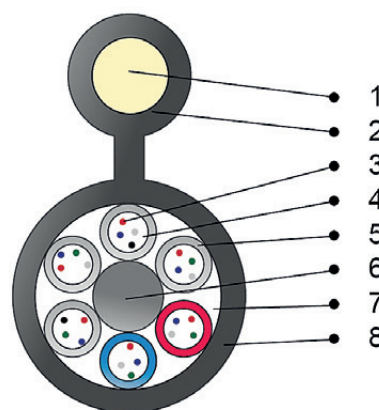
Delivery Information

Supplied lengths 2, 4, 6, or 8 km
 Drum type²⁾

1) Tested in accordance with IEC 60794-1
 2) See drum tables

Design

1. Suspension strand..... Glass fiber reinforced plastic
2. Sheath..... Polyethylene (black)
3. Primary coated fiber..... Silica, acrylate
4. Filling compound..... Thixotropic gel
5. Loose tube..... PBT
6. Central strength member... Glass fiber reinforced plastic
7. Filling compound..... DryTech™
8. Sheath..... Polyethylene (black)



Ordering Information

PRODUCT NUMBER	NUMBER OF FIBERS	DIAMETER (MM)	WEIGHT (KG/KM)
TOL 403 2010/12A	12	11	220
TOL 403 2010/48A	48	11	220
TOL 403 2010/96A	96	15	295
TOL 403 2010/144A	144	19	395
TOL 403 2010/192A	192	23	485

This ordering information covers standard types of the GRCLCDV 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 are available on request.