

Concentric Core Loose Tube DryTech 24-192 Fibers – TOL 403 2024

Aerial Fig-8 GRCLCV Steel Suspension Wire



Features

- Concentric core design
- 24–192 fibers
- Patented DryTech™ water blocking
- Self-supporting
- Easy installation

Application

The GRCLCV is a self-supporting figure-8 cable for installation on poles.

A suspension steel wire integrated with the sheath creates 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⁾

Permanent and during installation with suspension wire ≥ 300 mm
 For the cable part ≥ 15×cable diameter

Tensile force¹⁾

Permanently force with ice and wind ≤ 8.5 kN

Crush resistance¹⁾

4-48 fibers ≤ 2 kN/100 mm
 > 48 fibers ≤ 3 kN/100 mm

Water penetration

Complies with IEC 60794-1-2-F5

Delivery Information

Supplied lengths

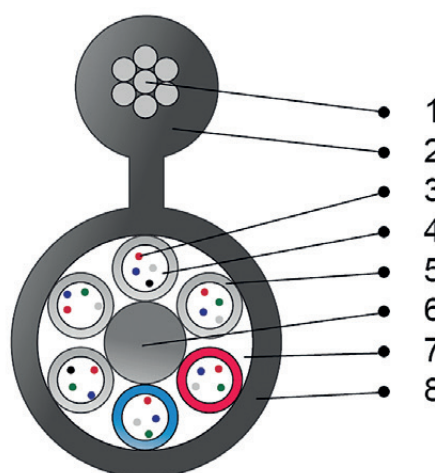
4-96 fibers 2, 4, 6, or 8 km
 > 96 fibers 2, 4, or 6 km

Drum type²⁾

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

Design

1. Suspension strand..... Steel wire 7 ×1.6mm
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)	OVERALL HEIGHT (MM)	WEIGHT (KG/KM)
TOL 403 2024/24A	24	11	23	260
TOL 403 2024/48A	48	11	23	260
TOL 403 2024/96A	96	15	27	330
TOL 403 2024/144A	144	19	31	425
TOL 403 2024/192A	192	23	35	550

This ordering information covers standard types of the GRCLCV 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.