

Concentric Core Loose Tube DryTech 24-48 Fibers – TOL 402 2041

Direct Buried GRCLLDV Non-metallic Reinforcement



Features

- Dry construction
- Concentric core design
- Dielectric
- Small outer diameter
- ITU-T-G652.D fibers
- Thermoplastic cushion layer
- Easy to strip and identify fibers

Application

GRCLLDV is a loose tube cable using concentric core design, with small loose tubes, only 2.1 mm.

GRCLLDV is designed for direct buried installation. The cable is completely dielectric making it suitable for installation in environments where there is electrical interference.

The cable is very easy to install, due to the small diameter and low weight.

DryTech™ filling compound, a foamed thermoplastic elastomer, is used as water blocking in the cable.



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Typical Data

Temperature range

Operation -20 to +70°C
 Storage -20 to +70°C
 Installation -15 to +60°C

Bending radius

During installation $\geq 10 \times$ cable diameter
 During operation $\geq 15 \times$ cable diameter

Tensile force

During installation ≤ 2.5 kN
 During operation ≤ 1.5 kN

Crush resistance

..... ≤ 2.5 kN/10cm

Water penetration

In accordance with IEC 60794-1-2-F5B

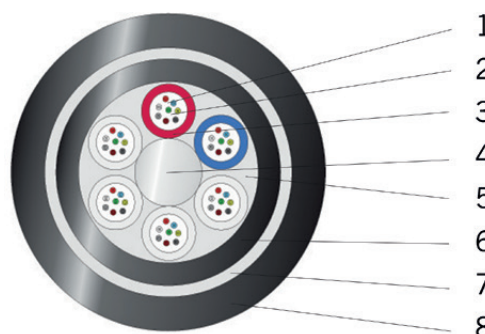
Delivery Information

Supplied lengths 2-12 km

Mechanical and environmental test in accordance with IEC 60794-1
 Fiber parameters and tests according to the IEC series 60793-2 and 60793-1

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 DryTech™ (polyester)
6. Sheath Polyethylene, black
7. Cushion layer TPE-O
8. Sheath HD-Polyethylene black



Ordering Information

PRODUCT NUMBER	NUMBER OF FIBERS	NUMBER OF FIBERS/TUBE	DIAMETER (MM)	WEIGHT (KG/KM)
TOL 402 2041/24A	24	4	18	230
TOL 402 2041/48A	48	8	18	230

This ordering information covers standard types of the GRCLLDV 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

Specific technical information is available on request.