

Concentric Core Loose Tube DryTech 288 Fibers – TOL 402 2043

Direct Buried GRCLLDV Non-metallic Reinforcement



Features

- Dry construction
- Concentric core design
- Dielectric
- 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 2.4 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.

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 -40 to +70°C
 Installation -15 to +60°C

Bending radius

During installation ≥ 10xcable diameter
 During operation ≥ 15xcable diameter

Tensile force

During installation ≤ 4.0 kN
 During operation ≤ 2.0 kN

Crush resistance

..... ≤ 3.0 kN/10 cm

Water penetration

In accordance with..... IEC 60794-1-2-F5B

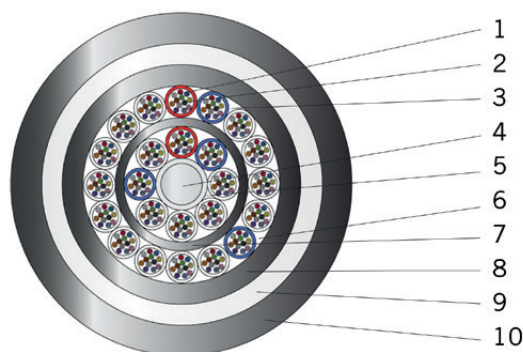
Delivery Information

Supplied lengths 2-14 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. Coating Polyethylene
6. Water blocking..... DryTech™ (polyester)
7. Inner sheath Polyethylene, black
8. Second sheath..... Polyethylene, black
9. Cushion layer..... TPE-O
10. Outer sheath..... HD-Polyethylene black



Ordering Information

PRODUCT NUMBER	NUMBER OF FIBERS	DIAMETER (MM)	WEIGHT (KG/KM)
TOL 401 2043/288A	288	27.5	510

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.