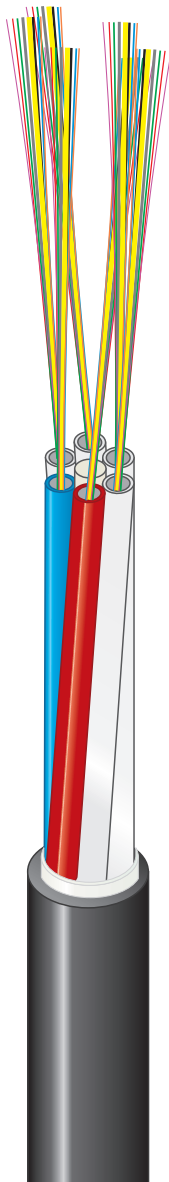


Concentric Core Loose Tube DryTech 12-192 Fibers – TOL 401 2098

Duct Cable GRCLDV Dielectric



Features

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

Application

GRCLDV is a loose tube cable using concentric core design, with small loose tubes, only 2.4 mm, with 12 fibers in each tube.

GRCLDV is designed for installation in ducts. 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 -30 to +70°C
 Storage -40 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
 12-72 fibers ≤ 3.0 kN
 96-192 fibers ≤ 4.0 kN

During operation

12-72 fibers ≤ 1.5 kN
 96-192 fibers ≤ 2.0 kN

Crush resistance

..... ≤ 3.0 kN/10cm

Water penetration

Complies with IEC 60794-1-2-F5B

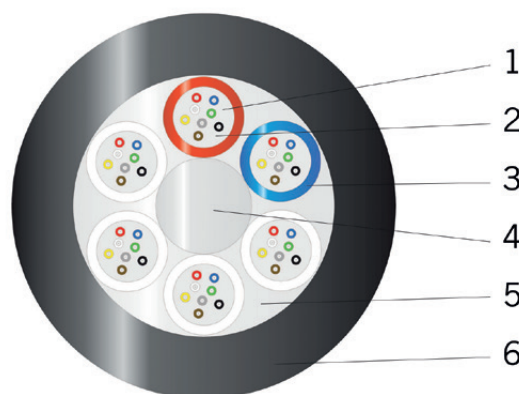
Delivery Information

Supplied lengths 2-12 km

Mechanical and environmental test in accordance with IEC 60794-1-2
 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 (HDPE) (black)



Ordering Information

PRODUCT NUMBER	NUMBER OF FIBERS	DIAMETER (MM)	WEIGHT (KG/KM)
TOL 401 2098/12A	12	11	95
TOL 401 2098/24A	24	11	95
TOL 401 2098/48A	48	11	95
TOL 401 2098/72A	72	11	95
TOL 401 2098/96A	96	12.5	130
TOL 401 2098/144A	144	15.5	195
TOL 401 2098/192A	192	18	280

This ordering information covers standard types of the GRCLDV 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 is available on request.