

Concentric Core Loose tube DryTech 12-192 fibers TOL 401 2086

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

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



Typical data

Temperature range	
Operation	-30 to +70°C
Storage	-40 to +70°C
Installation	-15 to +60°C
Cable bend radius	
During installation	≥ 10xcable diameter
During operation	≥ 15xcable diameter
Tensile force	
During installation	
12-72 fibers	≤ 3.0 kN
96-192 fibers	≤ 3.8 kN
During operation	
12-72 fibers	≤ 1.6 kN
96-192 fibers	≤ 2.0 kN
Crush resistance	≤ 3.0 kN/10cm
Water penetration in accordance with	IEC 60794-1-2-F5B
Delivery 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

- Primary coated fiber Silica, acrylate
- Filling compound Thixotropic gel
- Loose tube PBT
- Central strength member Glass fiber reinforced plastic
- Water blocking DryTech (polyester)
- Sheath Polyethylene (HDPE) (black)

Order information

Order number	No. of fibers	Diameter [mm]	Weight [kg]
TOL 401 2086/12A	12	11.2	95
TOL 401 2086/24A	24	11.2	95
TOL 401 2086/48A	48	11.2	95
TOL 401 2086/96A	96	12.4	130
TOL 401 2086/144A	144	15.6	195
TOL 401 2086/192A	192	19	280

COLOUR CODING

Secondary coating tubes:
 Red (1), Green (2), White (3), White (4), White (5), White (6), White (7), White (8), White (9), White (10), White (11), White (12), White(13), White (14), White (15), White (16)

Fibres in each tube:
 White (1), Red (2), Yellow (3), Green (4), Blue (5), Grey (6), Brown (7), Black (8), Violet (9), Turquoise (10), Orange (11), Pink (12)

SHEATH MARKING

Marking 1 time/meter.
 "HEXATRONIC yymmddhh
 TOL 401 2086/xxP FO-xx/SM/B1.3-DUCT-D
 zzzzz Batch-ID" where
 yymmddhh =Year, month,day and hour of manufacture
 xx=Number of fibres
 zzzzz=Running meter marking
 TOL 401 2086/xxP=Article number,
 Hexatronic

