

## Concentric Core Loose Tube DryTech 288 Fibers – TOL 402 2040

### Direct Buried GRCLWLV Corrugated Steel Tape Reinforcement



#### Features

- Easy to strip and identify fibers
- Dry construction
- 12 fibers in each tube
- Corrugated steel tape reinforcement
- Flexible cable construction

#### Application

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

GRCLWLV is designed for direct burial installation. The corrugated steel tape reinforcement provides good mechanical protection, yet the cable retains outstanding flexibility for easy installation.

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 .....  $\leq 4.0$  kN  
 During operation .....  $\leq 2.0$  kN

### Crush resistance

.....  $\leq 4.0$  kN/10 cm

### Water penetration

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

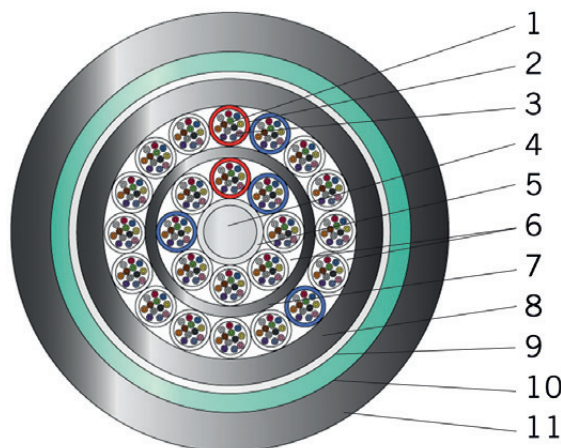
## Delivery Information

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. Loose tube ..... PBT
3. Filling compound ..... Thixotropic gel
4. Central strength member .... Glass fiber reinforced plastic
5. Coating ..... Polyethylene
6. Water blocking ..... DryTech (polyester)
7. Inner sheath ..... Polyethylene
8. Second sheath ..... Polyethylene
9. Water blocking ..... Water swellable tape
10. Armoring ..... Corrugated steel tape
11. Sheath ..... D-Polyethylene (black)



## Ordering Information

PRODUCT NUMBER	NUMBER OF FIBERS	DIAMETER (MM)	WEIGHT (KG/KM)
TOL 401 2040/288A	288	24.5	510

This ordering information covers standard types of the GRCLWLVL 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.