

# TELECOM DUCT BDC-CO

## TELECOM DUCT BDC-CO



Telecom



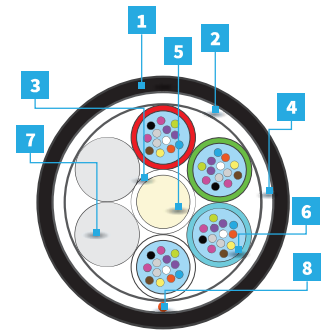
Duct



Basic  
Rodent  
Protection

### Cable structure

1. HDPE outer jacket
2. Water blocking fiberglass yarns
3. Water blocking yarns
4. Water blocking tape
5. Central strength member (FRP)
6. Loose tubes (PBT) with colored fibers in filling gel
7. Fillers
8. Ripcord



### Configuration

| TELECOM DUCT BDC-CO |        |                 |                |              |             |                             |                       |            |                 |
|---------------------|--------|-----------------|----------------|--------------|-------------|-----------------------------|-----------------------|------------|-----------------|
| Version             | Fibers | Fibers per tube | Total elements | Active tubes | Ø ± 5% [mm] | Nominal weight ±10% [kg/km] | Max. tensile load [N] |            | Crush [N/10 cm] |
|                     |        |                 |                |              |             |                             | instal-lation         | opera-tion |                 |
| 1T x 4F             | 4      | 4               | 6              | 1            | 10.0        | 71                          | 2100                  | 1300       | 2000            |
| 1T x 6F             | 6      | 6               | 6              | 2            | 10.0        | 71                          | 2100                  | 1300       |                 |
| 2T x 6F             | 12     | 6               | 6              | 2            |             |                             |                       |            |                 |
| 4T x 6F             | 24     | 6               | 6              | 4            |             |                             |                       |            |                 |
| 1T x 12F            | 12     | 12              | 6              | 1            | 10.0        | 74                          | 2000                  | 1000       |                 |
| 2T x 12F            | 24     | 12              | 6              | 2            |             |                             |                       |            |                 |
| 3T x 12F            | 36     | 12              | 6              | 3            |             |                             |                       |            |                 |
| 4T x 12F            | 48     | 12              | 6              | 4            |             |                             |                       |            |                 |
| 5T x 12F            | 60     | 12              | 6              | 5            |             |                             |                       |            |                 |
| 6T x 12F            | 72     | 12              | 6              | 6            |             |                             |                       |            |                 |
| 8T x 12F            | 96     | 12              | 8              | 8            | 11.3        | 97                          | 2100                  | 1000       |                 |
| 12T x 12F           | 144    | 12              | 12             | 12           | 13.8        | 144                         | 2200                  | 1100       |                 |
| 16T x 12F           | 192    | 12              | 18             | 16           | 14.2        | 148                         | 2200                  | 1100       |                 |
| 18T x 12F           | 216    | 12              | 18             | 18           | 14.2        | 150                         | 2200                  | 1100       |                 |
| 24T x 12F           | 288    | 12              | 24             | 24           | 16.2        | 190                         | 2500                  | 1200       |                 |

Other fiber counts available on demand

### Available colors

#### T-TELECOM (ACCORDING TO IEC 60304) - Fibers

|       | 1-12 | 1   | 2     | 3    | 4     | 5      | 6      | 7    | 8      | 9     | 10   | 11    | 12   |
|-------|------|-----|-------|------|-------|--------|--------|------|--------|-------|------|-------|------|
| Code  |      | ■   | ■     | ■    | ■     | ■      | ■      | ■    | ■      | ■     | ■    | ■     | ■    |
| Color |      | red | green | blue | white | violet | orange | grey | yellow | brown | pink | black | aqua |

#### T-TELECOM (ACCORDING TO IEC 60304) - Tubes

|       | 1-12 | 1   | 2     | 3    | 4     | 5      | 6      | 7    | 8      | 9     | 10   | 11    | 12   |
|-------|------|-----|-------|------|-------|--------|--------|------|--------|-------|------|-------|------|
| Code  |      | ■   | ■     | ■    | ■     | ■      | ■      | ■    | ■      | ■     | ■    | ■     | ■    |
| Color |      | red | green | blue | white | violet | orange | grey | yellow | brown | pink | black | aqua |

\*In cable with a multi-layer construction color of the tubes will be repeated in second layer

\*\*In case of lower fiber count some tubes can be replaced by fillers

### Applications

- Installation into existing ducts
- High tensile and crush performance
- Fully dielectric cable
- Basic rodent protection

### Features

- FRP strength and anti-buckling element
- Optical fibers
- Loose tube with filling compound (PBT Ø 2.0 mm)
- Dry yarns to prevent moisture into the cable
- Fiberglass yarns as tensile elements
- UV stabilized HDPE jacket

### Operating temperature

