

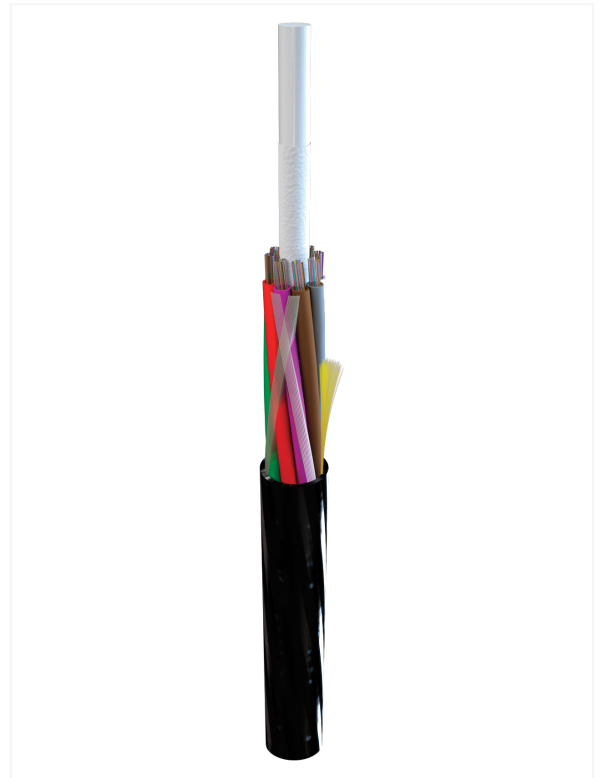
8007 7 xxx-00

## Microduct fiber optic cable LTMC 250 μm

Outdoor single-mode fiber optic micro cable A-DQ(ZN)2Y – fully dielectric cable with a lightweight multi-loose tube construction. It is characterized by flexibility and tensile strength, and is UV resistant. Each tube can contain up to 24 fibers, and is filled with hydrophobic gel to protect the fibers from moisture penetration.

The cable's tubes are twisted around a central reinforcing element (FRP). Additionally, the cable is equipped with a thread to facilitate splitting the cable's outer sheath (ripcord).

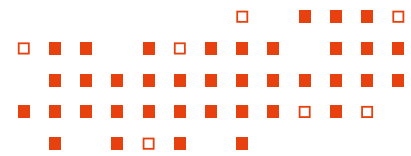
The cable is intended for outdoor installation. Installation can be carried out using pneumatic (blowing) methods into microducts with an internal diameter recommended for the given cable diameter.



## Technical specifications

Microduct fiber optic cable LTMC 250 μm

|   |                |
|---|----------------|
| <b>Product group</b>                                | outdoor cable  |
| <b>Fiber standard</b>                               | ITU-T G.657.A1 |
| <b>Deformation resistance</b>                       | yes            |
| <b>Halogen-free (according to EN 13501-1/2)</b>     | yes            |
| <b>Longitudinal moisture penetration protection</b> | yes            |
| <b>Rodent-resistant</b>                             | not            |
| <b>Tube</b>   | Loose tube     |
| <b>Fiber type</b>                                   | SM             |
| <b>Outer sheath</b>                                 | HDPE           |
| <b>Outer sheath color</b>                           | black          |

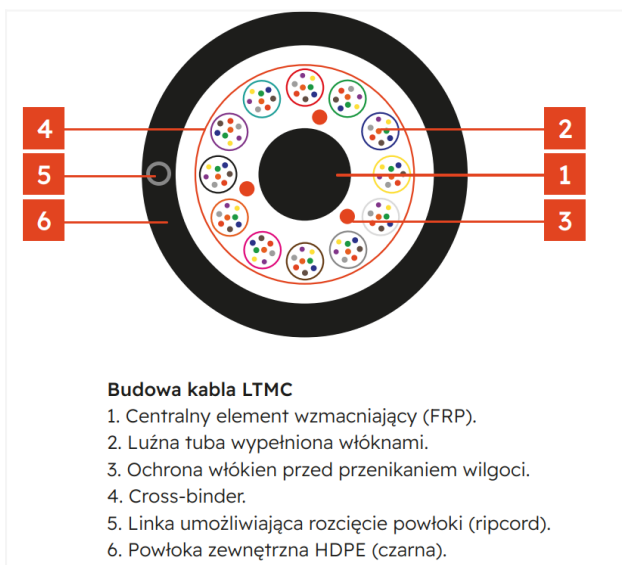


|                                |               |
|--------------------------------|---------------|
| Outer sheath thickness         | 0,45-0,5mm    |
| Operating temperature range    | -30°C / +70°C |
| Installation temperature range | -15°C / +50°C |
| Transport temperature range    | -40°C / +70°C |

## Available variants

Microduct fiber optic cable LTMC 250 μm

| Name      | Catalogue number | Construction    | Bending radius [mm] | Weight [kg/km] | Cable diameter [mm] | Maximum tensile force [N] |
|-----------|------------------|-----------------|---------------------|----------------|---------------------|---------------------------|
| LTMC 12J  | 8007 4 832-00    | 12 x SM (1x12)  | 120                 | 25             | 6,0                 | 1000                      |
| LTMC 24J  | 8007 4 816-00    | 24 x SM (2x12)  | 120                 | 26             | 6,0                 | 1000                      |
| LTMC 36J  | 8007 4 813-00    | 36 x SM (3x12)  | 120                 | 26             | 6,0                 | 1000                      |
| LTMC 48J  | 8007 4 815-00    | 48 x SM (4x12)  | 120                 | 27             | 6,0                 | 1000                      |
| LTMC 72J  | 8007 4 814-00    | 72 x SM (6x12)  | 120                 | 28             | 6,0                 | 1000                      |
| LTMC 96J  | 8007 4 812-00    | 96 x SM (8x12)  | 140                 | 42             | 6,9                 | 2000                      |
| LTMC 144J | 8007 4 834-00    | 144 x SM (6x24) | 160                 | 48             | 7,9                 | 1500                      |



### High flexibility

The LTMC cable is characterized by high flexibility, which facilitates its manipulation and installation in microducts and narrow spaces.

### Outdoor weather resistance:

The cable's construction provides resistance to weather conditions, UV radiation, and variable temperatures, which is crucial for its durability and reliability in outdoor installations.