



## Micro Tube 6 \* (1x6)-1 TY Y 27.3-00214534-116:2019

Fiber optic distribution cables of micro-tube construction with HDPE sheath

### Mark formation:

Micro Tube 6[c](1x6)-1

[c] type of optical fiber

- A – single-mode with extended wavelength band (ITU-T G.652D, ITU-T G.657A1)
- D - single-mode, not sensitive to losses on macro-bending (ITU-T G.657A2)

Order placing: sample of indication

Micro Tube 6A(1x6)-1

Cable construction provides fast access to micro-tubes and fibres (no tools required), minimum of sealing compound and avoiding the risk of micro-tube kinking

Cables are used for:

- for digital signal transmission in optic local networks as distribution cables
- for compact outdoor installation in PE ducts by pulling or floating techniques

### TECHNICAL SPECIFICATIONS

|  |         |             |
|--|---------|-------------|
| Number of optical micro-tube in cable                |         | 1           |
| Number of optical fibers in cable                    | units   | 6           |
| Permissible tensile force (short-term)               | N       | 1000        |
| Permissible tensile force (continuous)               | N       | 500         |
| Permissible crushing force, no less than             | N/10 sm | 1500        |
| Ambient temperature                                  |         |             |
| • during operation                                   | °C      | -30 ... +70 |
| • during storage and transportation                  | °C      | -30 ... +70 |
| • during laying and installation                     | °C      | -10 ... +40 |
| Cable weight (approximate)                           | kg/km   | 40          |
| Rated outer diameter of the cable (for reference) ** | mm      | 7           |
| Minimum bending radius during laying                 | mm      | 140         |
| Minimum bending radius during operation              | mm      | 70          |

Notes:

When ordering it is necessary to agree the factory length of the product with the manufacturer

\*\* The external diameter may differ from the rated up to  $\pm 10\%$



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### CONSTRUCTION

1. Fiberglass rod in sheath
2. Optic fibers
3. Tube of fiber optic micromodule
4. Aramid-thread or glass-thread layer
5. Lapping layer of water-blocking tape
6. HDPE outer sheath

