PRODUCTION GUIDE

E-mail: market@yuzhcable.com.ua
Micro Tube 288 * (24x12)-1.7
ТУ У 27.3-00214534-116:2019
Fiber optic distribution cables of micro-tube construction with HDPE sheath

## Mark formation:

Micro Tube 288[c](24x12)-1.7
[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 288A(24×12)-1.7
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 |  | 24 |
| :--- | :---: | :--- |
| Number of optical fibers in cable | units | 288 |
| Permissible tensile force (short-term) | N | 1700 |
| Permissible tensile force (continuous) | N | 850 |
| Permissible crushing force, no less than | $\mathrm{N} / 10 \mathrm{sm}$ | 1500 |
| Ambient temperature |  |  |
| $\cdot$ during operation | ${ }^{\circ} \mathrm{C}$ | $-30 \ldots+70$ |
| $\cdot$ during storage and transportation | ${ }^{\circ} \mathrm{C}$ | $-30 \ldots+70$ |
| $\cdot$ during laying and installation | ${ }^{\circ} \mathrm{C}$ | $-10 \ldots+40$ |
| Cable weight (approximate) | $\mathrm{kg} / \mathrm{km}$ | 100 |
| Rated outer diameter of the cable (for reference) ${ }^{* *}$ | mm | 11.5 |
| Minimum bending radius during laying | mm | 230 |
| Minimum bending radius during operation | mm | 115 |

Notes:
When ordering it is neccesary 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. Water-blocking thread
3. Optic fibers
4. Tube of fiber optic micromodule
5. Aramid-thread or glass-thread layer
6. Lapping layer of water-blocking tape
7. HDPE outer sheath

Note: optical module twisting is not illustrated

