7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830
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501501-410240144144

# Micro Tube 144 * (24x6)-1
# ТУ У 27.3-00214534-116:2019

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

**Mark formation:**
Micro Tube 144[c](24x6)-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 144A(24x6)-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 | | 24 |
| Number of optical fibers in cable | units | 144 |
| 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 | 75 |
| Rated outer diameter of the cable (for reference) ** | mm | 9.7 |
| Minimum bending radius during laying | mm | 194 |
| Minimum bending radius during operation | mm | 97 |

*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 ± 10 %*

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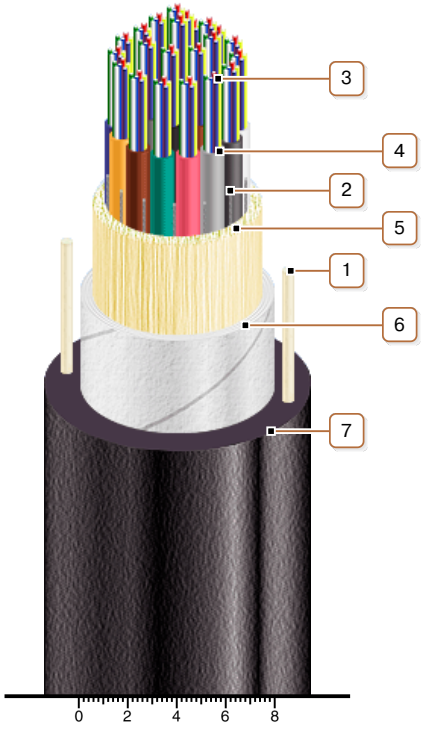


## CONSTRUCTION

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.*