



Micro Tube 144 * (24x6)-2.2 TY Y 27.3-00214534-116:2019

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

Mark formation:

Micro Tube 144[c](24x6)-2.2

[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)-2.2

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	2200
Permissible tensile force (continuous)	N	1100
Permissible crushing force, no less than	N/10 sm	1500
Ambient temperature		
• <i>during operation</i>	°C	-30 ... +70
• <i>during storage and transportation</i>	°C	-30 ... +70
• <i>during laying and installation</i>	°C	-10 ... +40
Cable weight (approximate)	kg/km	120
Rated outer diameter of the cable (for reference) **	mm	12.1
Minimum bending radius during laying	mm	242
Minimum bending radius during operation	mm	121

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 ± 10 %*



Micro Tube 144 * (24x6)-2.2 TY Y 27.3-00214534-116:2019

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

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.

