



Micro Tube-HF 192 * (16x12)-1.3 **TY Y 27.3-00214534-1 16:2019**

Fiber optic distribution cables of micro-tube construction with flame-retardant, halogen-free and low smoking (HFFR) polymer compound sheath

Mark formation:

Micro Tube-HF 192[c](16x12)-1.3

[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-HF 192A(16x12)-1.3

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
- in areas with exclusive fire safety requirements

Fire safety code in accordance with ДСТУ 4809:2007: ПБ103122000

Products of this mark meet the requirements:

- single wire cable flame retardance
- toxicity class Tk3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m³)
- class ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)
- class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)
- corrosive class Кк2 of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH more than 4.3, specific conductivity less than 10 μS/mm)



Micro Tube-HF 192 * (16x12)-1.3 TY Y 27.3-00214534-116:2019

Fiber optic distribution cables of micro-tube construction with flame-retardant, halogen-free and low smoking (HFFR) polymer compound sheath

TECHNICAL SPECIFICATIONS

Number of optical micro-tube in cable		16
Number of optical fibers in cable	units	192
Permissible tensile force (short-term)	N	1300
Permissible tensile force (continuous)	N	650
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	70
Rated outer diameter of the cable (for reference) **	mm	9.2
Minimum bending radius during laying	mm	184
Minimum bending radius during operation	mm	92

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 $\pm 10\%$

CONSTRUCTION

1. Fiberglass rod in sheath
2. Optic fibers
3. Tube of fiber optic micromodule
4. Water-blocking thread
5. Aramid-thread or glass-thread layer
6. Lapping layer of water-blocking tape
7. Outer sheath of halogen-free flame retardant polymer composition with low smoke emission

Note: Optical module twisting is not illustrated.

