

## **Duplex- \* (2.8)-0.16** **TY Y 27.3-00214534-1 13:2019**

Fiber optic indoor cables with flame-retardant and halogen-free polymer compound outer sheath

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### **Mark formation:**

Duplex-[c](2.8)-0.16

[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)*

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Order placing: sample of indication

Duplex-A(2.8)-0.16

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Fully dielectric, resistant to electromagnetic interferences, flexible and easy-to-install cables. Can be installed in the proximity of electric wiring. Can be used together with any kind of connectors. The sheath is made of flame retardant materials

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Cables are used for:

- *for analog and digital signal transmission by whole optic local networks bandwidth*
- *for installation on in closed spaces*
- *for optoelectronic devices connecting*
- *for patch-cords and pigtails manufacturing*
- *in areas with exclusive fire safety requirements*

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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/m<sup>3</sup>)*
- *class ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup>/kg)*
- *class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)*
- *corrosive class Kk2 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)*



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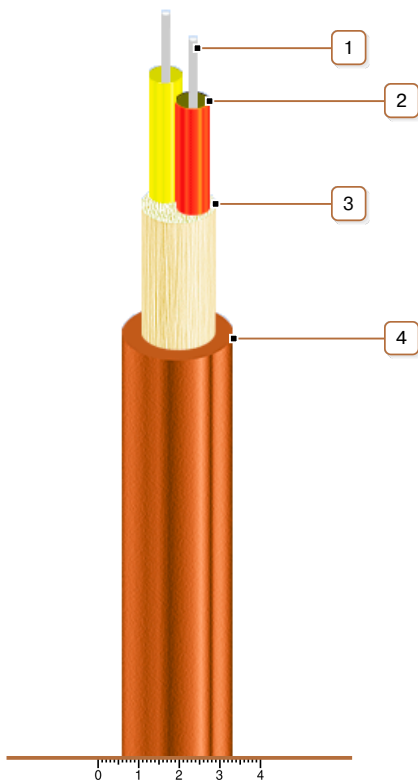
Fiber optic indoor cables with flame-retardant and halogen-free polymer compound outer sheath

### TECHNICAL SPECIFICATIONS

|                                          |         |            |
|------------------------------------------|---------|------------|
| Number of optical fibers in cable        | units   | 2          |
| Permissible tensile force (short-term)   | N       | 320        |
| Permissible tensile force (continuous)   | N       | 160        |
| Permissible crushing force, no less than | N/10 sm | 500        |
| Ambient temperature                      |         |            |
| • during operation                       | °C      | -5 ... +50 |
| • during storage and transportation      | °C      | -5 ... +50 |
| • during laying and installation         | °C      | -5 ... +50 |
| Cable weight (approximate)               | kg/km   | 6.1        |
| Rated outer diameter of the cable        | mm      | 2.8        |
| Minimum bending radius during laying     |         |            |
| • dynamic                                | mm      | 28         |
| • static                                 | mm      | 42         |

Notes:

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



### CONSTRUCTION

1. Optic fibers
2. Tight buffer
3. Aramid-thread layer
4. Outer sheath of halogen-free flame retardant polymer composition with low smoke emission