



## **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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### 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

