



## **Simplex- \* (2)-0.1** **TY Y 27.3-00214534-1 13:2019**

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

---

### **Mark formation:**

Simplex-[c](2)-0.1

[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

Simplex-A(2)-0.1

---

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

---

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*

---

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)*



## Simplex- \* (2)-0.1 TY Y 27.3-00214534-1 13:2019

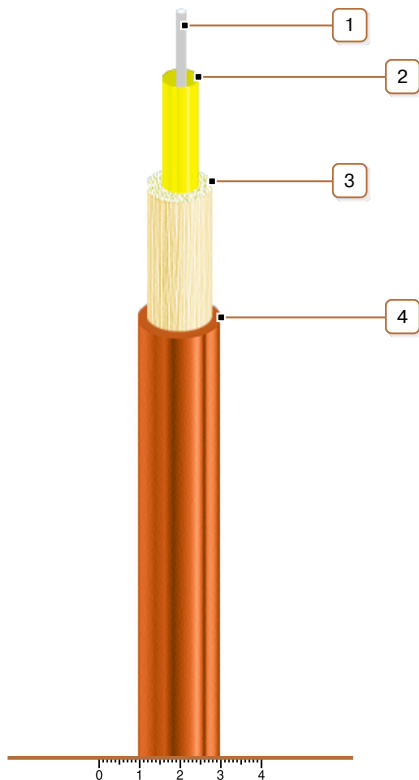
Fiber optic indoor cables with flame-retardant and halogen-free polymer compound outer sheath

### TECHNICAL SPECIFICATIONS

Number of optical fibers in cable	units	1
Permissible tensile force (short-term)	N	200
Permissible tensile force (continuous)	N	100
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	4
Rated outer diameter of the cable	mm	2
Minimum bending radius during laying		
• dynamic	mm	20
• static	mm	30

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