7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830
E-mail: market@yuzhcable.com.ua

501402-001010002002

Duplex- * (2.8)-0.16
ТУ У 27.3-00214534-113:2019

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

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)*

Order placing: sample of indication
Duplex-A(2.8)-0.16

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 Тк3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m^3)*
- *class ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m^2/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)*

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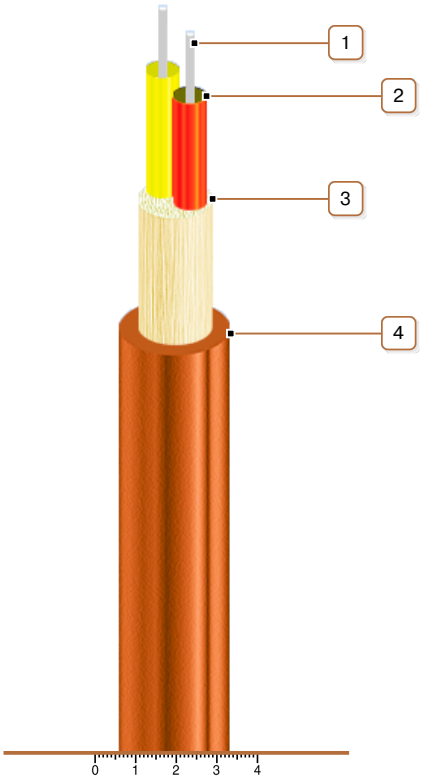
TECHNICAL SPECIFICATIONS

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 neccesary 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

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