



## ОЦПТ \* 1 – 8 ТУ У 31.3-00214534-047:2005

Fiber optic overhead tubular-core cables, with polyethylene outer sheath

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### Mark formation:

ОЦПТ -[b] [c]1(1x[e])-8

[b] quantity of optical fibers in the cable, possible values

- 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 26, 28, 30, 32, 36, 40, 48

[c] type of optical fiber

- E – single-mode (ITU-T G.652B)
- A – single-mode with extended wavelength band (ITU-T G.652D, ITU-T G.657A1)
- C – single-mode with non-zero shifted dispersion (ITU-T G.655)
- M – multimode with core and sheath diameter ratio 50 : 125 mm (ITU-T G.651)
- B – multimode with core and sheath diameter ratio 62.5 : 125 mm (IEC 60793-2)

[e] quantity of optical fibers in the module:

- 1 ... 48
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Manufacturing of cables in climate version F is possible

Manufacturing of cables with armouring (aramid yarns and/or corrugated steel tape) is possible

Manufacturing of cables with dielectric wire rope (glass fiber rod) is possible

Manufacturing of cables with flame-retardant polymer compound outer sheath is possible

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Order placing: sample of indication (corresponds to configuration pattern)

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Cables are used for:

- *suspensions and operation at supports of aerial contact-lines, urban electric transport and aerial power transmission lines under impact of wind, ice or their combination loads, as well as between buildings and facilities*



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**TECHNICAL SPECIFICATIONS**

Number of optical fibers in cable	units	2 ... 48
Electrical resistance of sheath insulation, not less than	MOhm · km	2000
Permissible tensile force	kN	8
Permissible crushing force, no less than	N/10 sm	2000
Operating temperature range	°C	-40 ... +60
Operating temperature range (in climate version F)	°C	-60 ... +60
Cable weight (approximate)	kg/km	120
Rated outer diameter of the cable (for reference) **	mm	6.7
Cable width with suspension element (for reference only)	mm	15.7
Minimum bending radius during laying	mm	134

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 ± 10 %

**CONSTRUCTION**

1. *Optic fibers*
  2. *Tube of fiber optic module*
  3. *Extended strength member (rope)*  
*Note: Manufacturing of cables with dielectric wire rope (glass fiber rod) is possible*
  4. *Polyethylene outer sheath*  
*Note: Manufacturing of cables with flame-retardant polymer compound outer sheath is possible*
- Note: Manufacturing of cables with armouring (aramid yarns and/or corrugated steel tape) is possible*

