

**ОЦПТп * 1 – 1.5**
ТУ У 31.3-00214534-047:2005

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

Mark formation:

ОЦПТп -[b] [c]1(1x[e])-1.5

[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

Manufacturing of cables in climate version F is possible

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

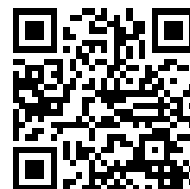
Manufacturing of cables with flame-retardant polymer compound outer sheath is possible

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

ОЦПТп-8A1(1x8)-1.5 • ТУ У 31.3-00214534-047:2005

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 | 1.5 |
| 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 | 50 |
| Rated outer diameter of the cable (for reference) ** | mm | 5.6 |
| Cable width with suspension element (for reference only) | mm | 12.4 |
| Minimum bending radius during laying | mm | 112 |

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 $\pm 10\%$

CONSTRUCTION

1. Optic fibers
2. Tube of fiber optic module
3. Extended strength member (wire)
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

