



## ОЦП \* 1 – 1 ТУ У 31.3-00214534-050:2005

### Fiber optic tubular-core cables with polyethylene outer sheath

---

#### Mark formation:

ОЦП -[b] [c]1(1x[e])-1

[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 flame-retardant polymer compound outer sheath is possible

---

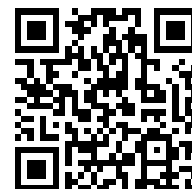
Order placing: sample of indication (corresponds to configuration pattern)

ОЦП-8A1(1x8)-1 • ТУ У 31.3-00214534-050:2005

---

Cables are used for:

- use in cable ducts, pipes, blocks without risk of damage by rodents and without threat of possible flood for a long period



**ОЦП \* 1 – 1**  
**ТУ У 31.3-00214534-050:2005**

Fiber optic tubular-core cables with polyethylene outer sheath

**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           |
| 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     | 45          |
| Rated outer diameter of the cable (for reference) **      | mm        | 7.1         |
| Cable width with suspension element (for reference only)  | mm        |             |
| Minimum bending radius during laying                      | mm        | 142         |

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. Steel wire in sheath
2. Optic fibers
3. Tube of fiber optic module
4. Polyethylene outer sheath

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

