



## ОЦБґП \* 1 – 2.7 ТУ У 31.3-00214534-050:2005

Fiber optic tubular-core cables, corrugated steel-tape armoured, with polyethylene outer sheath

### Mark formation:

ОЦБґП-[b] [c]1(1x[e])-2.7

[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)

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Cables are used for:

- *laying in soils of all groups, including areas of high corrosive aggressivity and territories contaminated by rodents, except for soils subjected to cryosolic and other distortions. Can be laid in cable ducts, pipes, blocks, on bridges, overpasses as well as along the outer walls of 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	2.7
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	125
Rated outer diameter of the cable (for reference) **	mm	11.2
Cable width with suspension element (for reference only)	mm	
Minimum bending radius during laying	mm	224
Rated factory cable length and gross weight of the delivery on the drums ***	m, t	# 10a: 2580 · 0.4 # 12a: 3830 · 0.6

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. Steel wire in sheath
2. Optic fibers
3. Tube of fiber optic module
4. Lapping layer of water-blocking tape or thread
5. Armour of corrugated steel tape, polyethylene-laminated
6. Polyethylene outer sheath

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

