



ОП * 12 – 3.5
ТУ У 31.3-00214534-036-2004

Fiber optic module-core cables with polyethylene outer sheath

Mark formation:

ОП-[a]-[b] [c]12(12x[e])-3.5

[a] central strength element

- C – steel
- No marks – dielectric

[b] quantity of optical fibers in the cable, possible values: 72 96 120 144

[c] type of optical fiber

- E – single-mode (ITU-T G.652B)
- A – single-mode with extended wavelength band (ITU-T G.652D)
- 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] 2 ... 12 – quantity of optical fibers in the module

Manufacturing of cables in climate version F is possible

Manufacturing of cables with steel strength element is possible

Manufacturing of cables, sealed with alumopolymer tape is possible (for laying in partially flooded premises)

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

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Cables are used for:

- installation in cable ducts, blocks, pipes, protection polyethylene pipes (including air installation method), without risk of damage by rodents
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TECHNICAL SPECIFICATIONS:

Number of cable core elements	units	12
Number of optical fibers in cable	units	72 ... 144
Electrical resistance of sheath insulation, not less than	MOhm · km	2000
Permissible tensile force	kN	3.5
Permissible crushing force, no less than	N/10 sm	3000
Operating temperature range	°C	-40 ... +60
Operating temperature range (in climate version F)	°C	-60 ... +60
Cable weight (approximate, depending on construction)	kg/km	180 ... 235
Rated outer diameter of the cable (for reference only, depending on construction) **	mm	15 ... 18
Minimum bending radius by laying	mm	360
Rated factory cable length and gross weight of the delivery on the drums	m, t	# 14: 2180 · 0.6

Notes:

When ordering it is necessary to agree the factory length of the product with the manufacturer

** The external diameter may exceed the rated by up to 10 %

CONSTRUCTION:

1. Central dielectric strength element
2. Optic fibers
3. Tube of fiber optic module
4. PET film winding
5. Polyethylene outer sheath

Note: optical module twisting is not illustrated

