



 7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830

 E-mail: market@yuzhcable.com.ua

ОБгП * 8 – 3.5 ТУ У 31.3-00214534-036-2004



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

Mark formation:

OGrΠ-[a]-[b] [c]8(8x[e])-3.5 [a] central strength element • C - steel• *No marks – dielectric* [b] quantity of optical fibers in the cable, possible values • 32, 48, 64, 80, 96, 104, 112, 120, 128 [c] type of optical fiber • E - single-mode (*ITU-T G.652B*) • A = single - mode with extended wavelength band (*ITU-T G.652D*)

• 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 ... 16

Manufacturing of cables in climate version F is possible

Manufacturing of cables with steel strength element is possible

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

It is possible to manufacture cables with gel-filled core or dry core (with water-blocking yarns and tapes)

It is possible to manufacture cables with a number of core elements up to and including 18

Order placing: sample of indication (corresponds to configuration pattern) OGrΠ-64A8(8x8)-3.5 • TY Y 31.3-00214534-036-2004

Cables are used for:

• installation in pipes (including air installation method), blocks, collectors at risk of damage by rodents, as well as in soil by mechanical method





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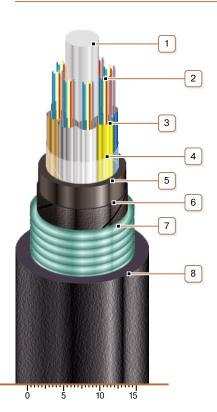
Fiber optic module-core cables, corrugated steel-tape armoured, with polyethylene outer sheath

TECHNICAL SPECIFICATIONS

Number of cable core elements	units	8
Number of optical fibers in cable	units	32 128
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	245 275
Rated outer diameter of the cable (for reference only,	mm	17 19
depending on construction) **		
Minimum bending radius during laying	mm	380
Notes:		

When ordering it is neccesary 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. Central dielectric strength element

Note: Manufacturing of cables with steel strength element is possible

- 2. Optic fibers
- 3. Tube of fiber optic module
- 4. PET film winding
- 5. Polyethylene inner sheath
- 6. Lapping layer of water-blocking tape or thread
- 7. Armour of corrugated steel tape, polyethylene-laminated

Note: Manufacturing of cables with dielectric armour (of glass fiber rod) is possible

8. Polyethylene outer sheath

Notes:

Optical module twisting is not illustrated.

- It is possible to manufacture cables with gel-filled core or dry core (with water-blocking yarns and tapes)
- It is possible to manufacture cables with a number of core elements up to and including 18