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

500803-200050010040

О2КП * 5 – 20
ТУ У 31.3-00214534-036-2004

Fiber optic module-core cables, double-layer galvanized steel-wire armoured, with polyethylene outer sheath

Mark formation:

О2КП-[a]-[b] [c]5([d]x[e]+[f])-20

[a] central strength element

- *С – steel*
- *No marks – dielectric*

[b] quantity of optical fibers in the cable, possible values

- *10, 16, 18, 20, 26, 28, 30, 32, 36, 40, 65, 70, 75, 80*

[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)*

[d] 3 … 5 – number of optical modules in cable

[e] quantity of optical fibers in the module:

- *1 … 16*

(f) quantity of insulated copper conductors in cable

Optical modules are completed with string fillers up to total number of core elements

Manufacturing of cables with two copper insulated remote power conductors instead of two string fillers is possible

Manufacturing of cables in climate version F is possible

Manufacturing of cables with steel strength element is possible

Manufacturing of cables with polyethylene intermediate sheath between armour layers 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)

О2КП-32А5(4х8)-20 • ТУ У 31.3-00214534-036-2004

Cables are used for:

- *laying in soils of all categories, areas with soils subjected to cryosolic distortions*

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О2КП * 5 – 20
ТУ У 31.3-00214534-036-2004

Fiber optic module-core cables, double-layer galvanized steel-wire armoured, with polyethylene outer sheath

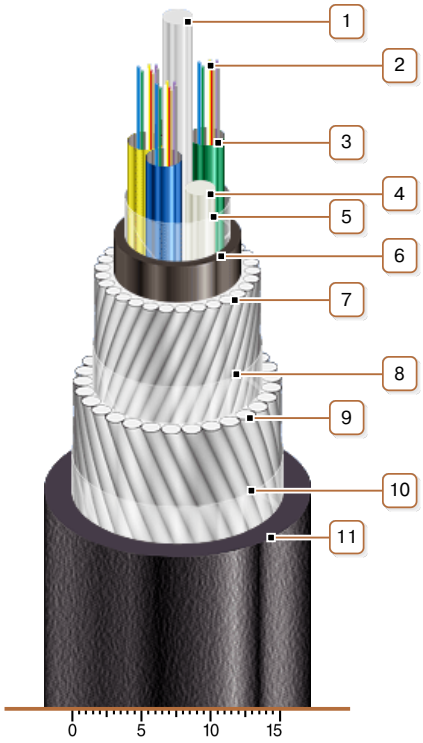
TECHNICAL SPECIFICATIONS

Number of cable core elements	units	5
Number of optical fibers in cable	units	10 ... 80
Electrical resistance of sheath insulation, not less than	MOhm • km	2000
Permissible tensile force	kN	20
Permissible crushing force, no less than	N/10 sm	5000
Operating temperature range	˚C	-40 ... +60
Operating temperature range (in climate version F)	˚C	-60 ... +60
Cable weight (approximate, depending on construction)	kg/km	560 ... 745
Rated outer diameter of the cable (for reference only, depending on construction) **	mm	18 ... 19
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 ± 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. String filler
Note: Optical modules are completed with string fillers up to total number of core elements
5. PET film winding
6. Polyethylene inner sheath
7. Round galvanized steel-wire armour
8. PET film winding
9. Round galvanized steel-wire armour
10. PET film winding
11. Polyethylene outer sheath

Notes:
- *Optical module twisting is not illustrated.*
- *Manufacturing of cables with two copper insulated remote power conductors instead of two string fillers is possible*
- *Manufacturing of cables with polyethylene intermediate sheath between armour layers 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*

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