



«Prime-C»LLP  
 BIN 170940000095  
 100000, Republic of Kazakhstan, Karaganda, 18 Erzhanov str., BC «Respect», office 817  
 IICKZ06914052203KZ002W3 in SB "Sberbank» JSC  
 Phone: +7(7212)910-116; Mob.:+7(701)806-75-06, +7(775)700-30-30  
 e-mail: info@prime-c.kz

## OKG – Direct Buried Loose Tube Double Jacket Wire Armor



- 1. Outer PE sheath\*
- 2. Steel wire armor
- 3. Hydrophobic gel
- 4. Intermediate PE sheath
- 5. Hydrophobic gel
- 6. Loose tube
- 7. Optical fiber
- 8. Central strength element (fiberglass rod)

\* It is possible to produce a cable with flame-redundant outer sheath, with low smoke and gas emission (ng(A)-HF)

### Application

Optical cable is designed for direct buried installation in conditions with high mechanical stability requirements: in all groups of soils, in swamps, shallow non-navigate rivers.

### Technical characteristics

Parameter	Value				
Tensile strength, kN	7				
Number of optical fibers	4	8	12	16-32	48
Cable diameter, mm	11,6	12,4	11,6	12,4	13,5
Cable weight, kg/km	204	240,9	204,5	228,7	269,6
Number of optical fibers	64	72	96	144	
Cable diameter, mm	14,8	14,0	14,4	16,2	
Cable weight, kg/km	323,9	284,2	309,2	408,6	
Crushing force, kN/sm	0,4				
Operating temperature	-50°C...+70°C				
Installation temperature	-30°C...+50°C				
Transportation and storage temperature	-50°C...+70°C				
Minimum bending radius	Not less than 15 cable diameters				
Factory length, km	4 km				

### Technical characteristics of optical fiber

Type of optical fiber	Corning SMF 28 Ultra	Corning SMF28e+BB
ITU-T recommendations	G.657A1 G.652D	G.657A1 G.652D
Deviation from the concentricity of the core, microns, not more	0,5	
Diameter of fiber sheath, microns	125±0,7	
Deviation from the roundness of the sheath,%, not more	0,7	
The diameter of the protective covering, microns	242±5	
Maximum attenuation at wavelength 1310 nm	0,32	0,34
Maximum attenuation at wavelength 1550 nm	0,18	0,20

### Full name example

#### Optical cable OKG-48G.652D 7kN

The cable consists of a loose tube core with a dielectric central strength around which optical loose tubes with freely laid fibers of the G.652D Standard are twisted. the maximum tensile strength is 7kN.