



«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

OKSN – All Dielectric Self-Support Glass Yarns



- 1. PE outer sheath*
- 2. Strength element (fiberglass yarns)
- 3. Water swellable yarns
- 4. Hydrophobic gel
- 5. Loose tube
- 6. Hydrophobic gel
- 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 type OKSN is designed for aerial installation on supports of overhead communication lines, power lines lighting poles, between buildings; in cable ducts, in blocks, in tunnels, in collectors, on bridges and overpasses, inside buildings.

Technical characteristics

Parameter	Value				
Number of optical fibers	4	8-48	64-72	96	144
Tensile strength, kN	3				
Cable diameter, mm	8,6	9,2	9,5	10,8	13,5
Cable weight, kg/km	59,7	66,1	69,0	85,7	129,8
Tensile strength, kN	7				
Cable diameter, mm	10,6	11,1	11,6	13,6	16,9
Cable weight, kg/km	89,0	95,7	102,7	134,7	206,4
Tensile strength, kN	10				
Cable diameter, mm	11,0	11,6	12,0	13,9	17,4
Cable weight, kg/km	98,5	106,2	111,4	143,1	223,7
Crushing force, kN/sm	0,3				
Operating temperature	-60°C...+70°C				
Installation temperature	-30°C...+50°C				
Transportation and storage temperature	-60°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 OKSN-48G.652D 10kN

The optical cable for aerial installation consists of a loose tube core, dielectric central element around which optical loose tubes with freely laid fiber of the G.652D Standard are twisted, the maximum tensile strength is 10kN