«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

OKCH-A – All Dielectric Self-Support Aramid Yarns

1. PE outer sheath *
2. Strength element (aramid 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-A 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	24	48	64	72	96	144
Tensile strength, kN	3					
Cable diameter, mm	7,5	8,0	9,2	8,3	9,6	12,4
Cable weight, kg/km	43,3	48,3	61,9	51,0	65,0	106,2
Tensile strength, kN	7					
Cable diameter, mm	10,2	10,8	12,5	11,3	13,3	16,8
Cable weight, kg/km	81,7	89,2	116,7	97,1	128,3	203,0
Tensile strength, kN	10					
Cable diameter, mm	10,4	11,0	12,6	11,5	13,5	16,9
Cable weight, kg/km	85,5	93,4	119,0	100,6	131,5	206,3
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 -A-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