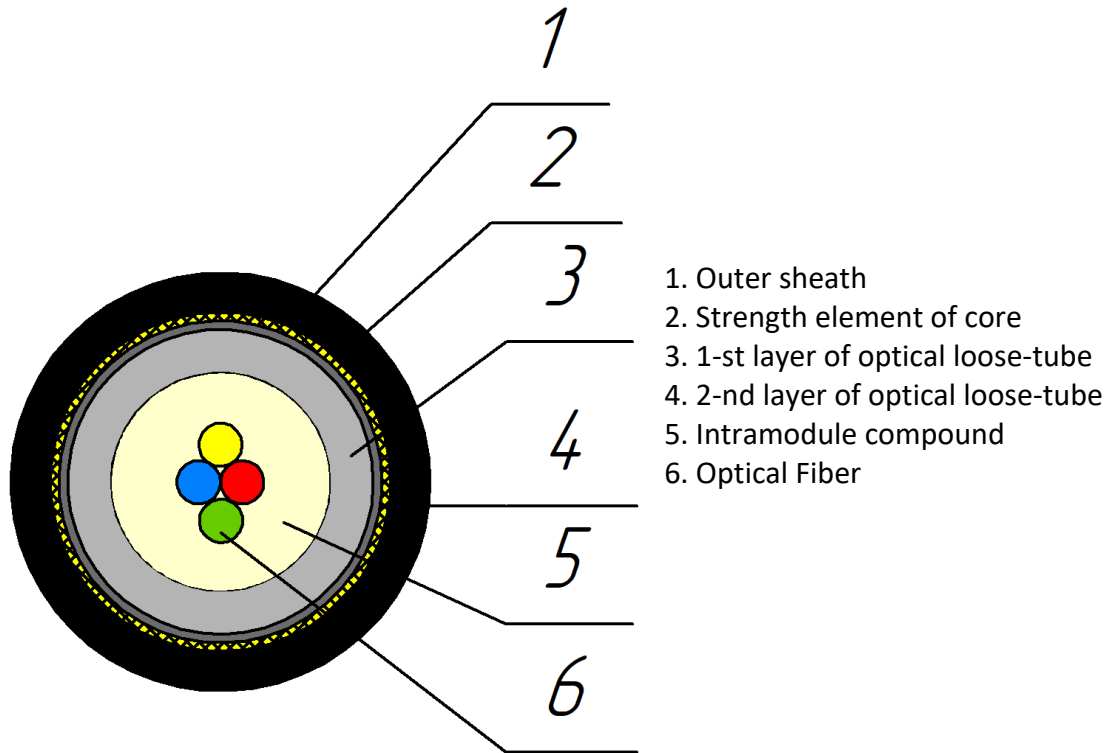


TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

Cable type	A-DQ(ZN)2Y-4-G.652.D/G.657.A1-UCF-7201
Cable formula	F-PC-PBT+Ar-PE
Standards	IEC 60793, IEC 60794



Cable construction		
Outer sheath	UV-resistant PE	
Strength element of core	Aramid yarns	
1-st layer of optical loose-tube	PC	1,7mm Tube
2-nd layer of optical loose-tube	PBT	
Intramodule compound	Thixotropic compound	
Optical Fiber	Corning [®] SMF-28 [®] Ultra Optical Fiber according to ITU-T G.652.D and G.657.A1	
Average weight of 1 km of the cable, kg	5	
Average outer diameter (D), mm	2,4±0,2	

Coloring of fibers in loose tube (According to Customer's requirements color can be different)			
1	2	3	4
Red	Green	Blue	Yellow

Optical parameters	
Operation wavelength, nm	1310-1550
Attenuation coefficient at wavelength, dB/km, not more than	
1310 nm	0,36
1383 nm	0,35
1550 nm	0,22
Mechanical characteristics	
Calculated tensile strength, not less than, kN	
Dynamic	0,2
Minimum bending radius	15D
Short-term crush test, kN/cm (N/10cm)	0,1 (1000)
Resistance to axial torsion at angle $\pm 360^{\circ}$ on 1 m length cable	Resistant
Resistance to bends at angle $\pm 90^{\circ}$ with a radius equal to 15 nominal cable diameters	Resistant
Resistance to impact 2,0 J	Resistant
Temperature range/Environment	
Operating temperature	from -30 to +70 °C
Installation temperature	from -10 to +60 °C
Storage and transportation temperature	from -40 to +70 °C
Resistance to water penetration	Water resistant
Relative humidity at +35° C, %	98
Packaging	
Cable factory length, km	5,0/6,0
Package	Coil OKKO №1 (490x440x490)/ Coil OKKO №1 (490x440x490)
Tolerance, %	$\pm 3,0$
Short lengths (customer approval)	Maximum 5%
The accuracy of marking	$\pm 0,5\%$