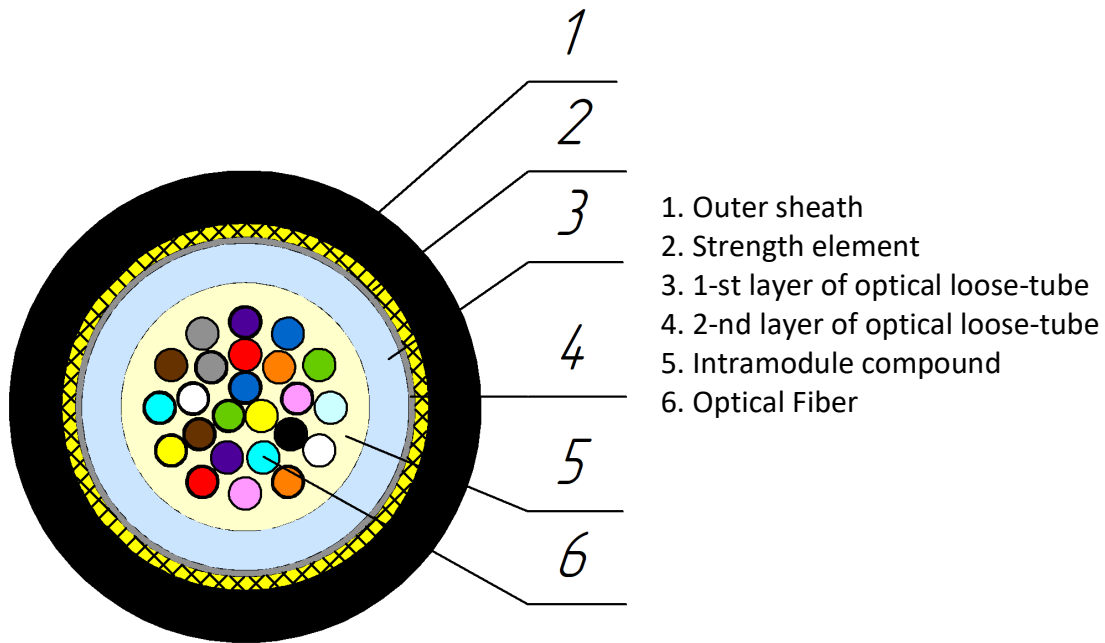


TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

Cable type	A-DQ(ZN)2Y-24-G.652.D/G.657.A1-UCF-7205
Cable formula	F-PC-PBT+Ar-PE
Standards	IEC 60793, IEC 60794



Cable construction	
Outer sheath	UV-resistant PE
Strength element	Aramid yarns
1-st layer of optical loose-tube	PC
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	12,7
Average outer diameter (D), mm	3,8±0,2

Coloring of fibers in loose tube (According to Customer's requirements color can be different). M-fiber with black ring mark.

1	2	3	4	5	6	7	8	9	10	11	12
red	green	blue	yellow	white	slate	brown	violet	aqua	black	orange	pink
13	14	15	16	17	18	19	20	21	22	23	24
red+m	green+m	blue+m	yellow+m	white+m	slate+m	brown+m	violet+m	aqua+m	transparent	orange+m	pink+m

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	0,3
Short-term crush test, kN/cm (N/10cm)	0,1 (1000)
Resistance to axial torsion at angle $\pm 360^0$ on 1 m length cable	Resistant
Resistance to bends at angle $\pm 90^0$ with a radius equal to 15 nominal cable diameters	Resistant
Resistance to impact 5,0 J	Resistant
Minimum bending radius	15D
Temperature range/Environment	
Operating temperature	from -30 to +70 °C
Installation temperature	from -10 to +60 °C
Storage and transportation temperature	from -30 to +70 °C
Resistance to water penetration	Water resistant
Relative humidity at +35 ⁰ C, %	98
Packaging	
Cable factory length, km	3,0/6,0
Package	Coil OKKO №1 (490x440x490)/ Coil OKKO №3 (650x450x650)
Tolerance, %	<u>±</u> 3,0
Short lengths (customer approval)	Maximum 5%
The accuracy of marking	<u>±</u> 0,5%