

«Prime-C» LLP BIN 170940000095

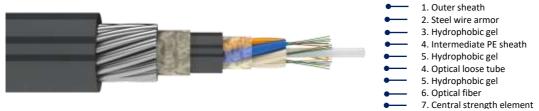
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DPS - Direct Buried Loose Tube Double Jacket Wire Armor



^{*} 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 installation in ground including swamps and shallow non-navigable river, in ducts, in pipes, in blocks, in trays, in tunnels, in headers, on bridges and skyways, between and inside buildings

Technical characteristics

Parameter		Value							
Number of optical fibers		Up to 16	Up to 32	Up to 48	Up to 64	Up to 72	Up to 96		
Crushing force, kN/sm				0,4					
Tensile strength, kN		7							
	Cable diameter, mm	12,4	12,6	13,0	13,2	142	14,2		
	Cable weight, kg/km	231,0	239,6	252,0	260,7	295,6	295,6		
	Bending radius, mm	186	189	195	198	312	213		
Tensile strength, kN	10								
	Cable diameter, mm	12,4	12,6	13,0	13,2	14,2	14,2		
	Cable weight, kg/km	231,0	239,6	252,0	260,7	295,6	295,6		
	Bending radius, mm	186	189	195	198	213	213		
Crushing force, kN/sm		1							
Tensile strength, kN		40							
	Cable diameter, mm	17,6	18,0	18,6	1	9,0	20,0		
	Cable weight, kg/km	521,5	545,5	576,1	60	01,0	650,1		
	Bending radius, mm	264,0	270	279	2	285	300		
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							

Technical characteristics of optical fiber

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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 DPS-P-48Y (6x8) 10kN

The cable consists of a loose tube core with a central strength element made of a dielectric around which optical loose tubes with freely laid fibers are twisted. The free space is filled with a hydrophobic gel in the optical loose tubes and in the core. The core is covered with intermediate PE sheath. The intermediate PE sheath is spirally covered with the steel wire armor. The free space is filled with a hydrophobic gel between wires. The armor is covered with HDPE sheath.