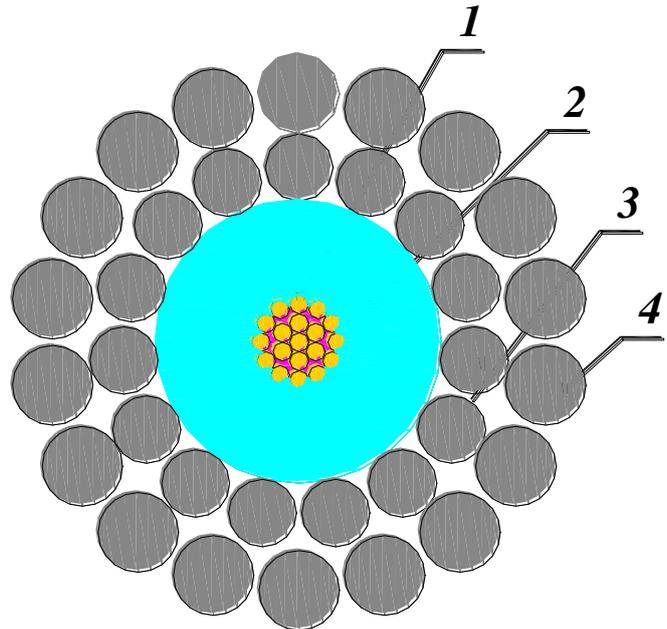


# PSKOVGEOCABLE

**KG 1x1.5-55-180**



№-№	Name of construction	Material	Diameter, mm/in
1.	Conductor	Copper, AWG 20, 19x0.315 mm (1.5 mm <sup>2</sup> ), Water blocked	1.55/0.06
2.	Insulation	Tefzel 280, Δ=1,57 mm, (DUPONT trademarks)	4,7/0.157
3.	Inner armor	Steel galvanized wire 15x1.1 mm, grade 190 kg/mm <sup>2</sup> , water and gas blocking seal	6,8/0.23
4.	Outer armor	Steel galvanized wire 18x1.3 mm, grade 190 kg/mm <sup>2</sup> , water and gas blocking seal	9,4/0.43

## MECHANICAL CHARACTERISTIC

	<u>METRIC</u>	<u>ENGLISH</u>
Weight in Air	373,6 kg/km	250,3 lb/kft.
Weight in Water	302,4 kg/km	202,6 lb/kft
Breaking Strength	55 kN	12364 lbf
Max Working load @ 60% strain	33 kN	7420 lbf
Temperature Rating (Maximum)	180 C	356 F
Suggested Minimum Sheave: dia.	430 mm	17 "
Stretch Coefficient (Nominal)	0.22 m/km/kN	0.99 ft/kft/klb
Outside Diameter	9,4 mm <sup>+0,34mm</sup> <sub>-0,22mm</sub>	0,35 " <sup>+0,012"</sup> <sub>-0,008"</sub>

## ELECTRICAL CHARACTERISTIC

Voltage Rating	1500VDC	1500VDC
D.C Conductor Resistance	13,2 Ω /km	4 Ω/kft
D.C Armor Resistance	5,4 Ω/km	1.62 Ω/kft
Capacitance @ 1kHz Conductor to Armor	115 pF/m	34,5 pF/ft
Insulation Resistance (Minimum) @ 500 VDC	20000 MΩ*km	6500 MΩ*kft