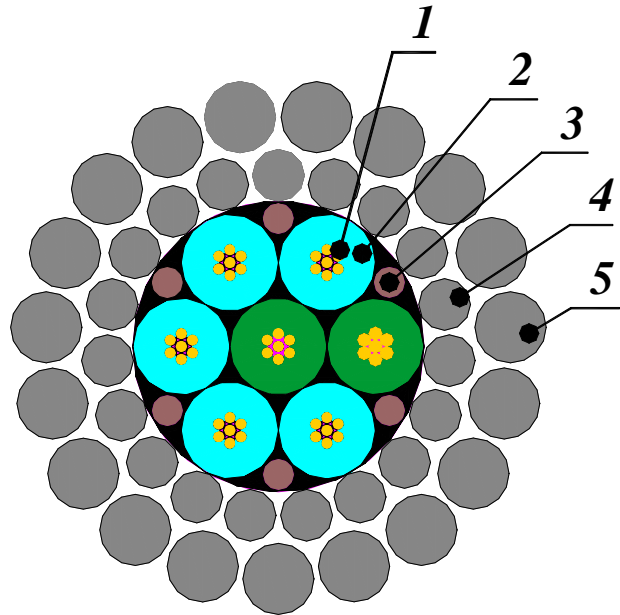


# PSKOVGEOCABLE

**KG7x0.35-55-180**



	Name of construction	Material	Diameter, mm/in
1	Conductor	Copper, AWG 22, 7x0.26 mm, (0.35 mm <sup>2</sup> ) Water blocked	0.78/0.03
2	Insulation	Polypropylene Δ=0.45 mm	1.7/0.067
3	Filler	Silicon compound, thread, and tape binder	5.1/0.2
4	Inner armor	Steel galvanized wire 18x0.95 mm, grade 190 kg/mm <sup>2</sup> , corrosion blocking seal	6.85/0.27
5	Outer armor	Steel galvanized wire 18x1.3 mm, grade 190 kg/mm <sup>2</sup> , corrosion blocking seal	9.45/0.37

## MECHANICAL CHARACTERISTIC

	<u>METRIC</u>	<u>ENGLISH</u>
Weight in Air	354,4 kg/km	237,4 lb/kft.
Weight in Water	379,2 kg/km	254 lb/kft
Breaking Strength	55 kN	12300 lbf
Max Working load @ 60% strain	33 kN	7400 lbf
Temperature Rating (Maximum)	180°C	356° F
Suggested Minimum Sheave: dia.	400 mm	15,7"
Stretch Coefficient (Nominal)	0.3 m/km/kN	1.35 ft/kft/klb
Outside Diameter	9.45 mm <sup>+0,28mm</sup> <sub>-0,19mm</sub>	0,37 " <sup>+0,011"</sup> <sub>-0,007"</sub>

## ELECTRICAL CHARACTERISTIC

Voltage Rating	660 VDC	660 VDC
D.C Conductor Resistance	57 Ω/km	17,1 Ω/kft
D.C Armor Resistance	6,9 Ω/km	2,07Ω/kft
Capacitance @ 1kHz Conductor to Armor	210 pF/m	63 pF/ft
Insulation Resistance (Minimum) @ 1000 VDC	10000 MΩ*km	3250 MΩ*kft