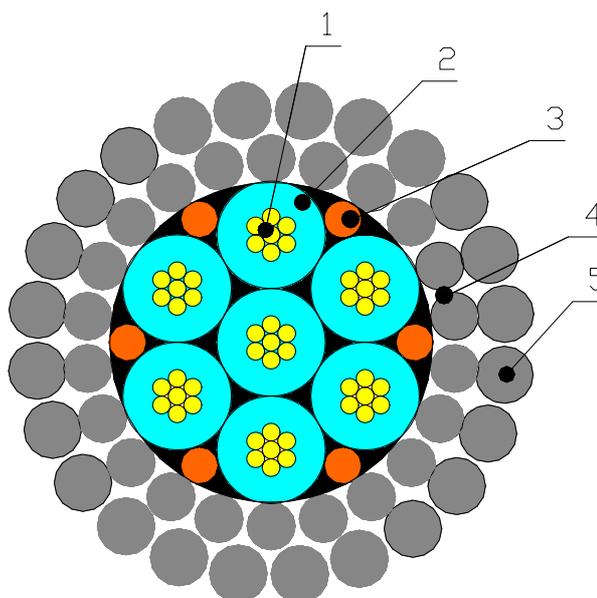


# PSKOVGEOCABLE

**KG 7x0.75-75-180**  
**7/16"**



Nº	Name of construction	Material	Diametr, mm/in
1	Conductor	Copper, AWG 18 , 7x0.37 mm, (0.75 mm <sup>2</sup> ), Water blocked	1,11/0.043
2	Insulation	Tefzel 280, Δ=0.7 mm (DUPONT trademarks)	2.51/0.098
3	Filler	Silicon compaund, thread, and tape binder	7,53/0.296
4	Inner armor	Steel galvanized wire 22x1,1 mm, grade 190 kg/mm <sup>2</sup> , corrosion blocking seal	9,6/0.37
5	Outer armor	Steel galvanized wire 24x1,3 mm, grade 190 kg/mm <sup>2</sup> , corrosion blocking seal	12,2/0.48

## MECHANICAL CHARACTERISTIC

	<u>METRIC</u>	<u>ENGLISH</u>
Weight in Air	567,2 kg/km	380 lb/kft.
Weight in Water	419,7 kg/km	281,2 lb/kft
Breaking Strength	75 kN	15700 lbf
Max Working load @ 60% strain	42 kN	9400 lbf
Temperature Rating (Maximum)	180°C	356° F
Suggested Minimum Sheave: dia.	500 mm	19,7 "
Stretch Coefficient (Nominal)	0.18 m/km/kH	0.9 ft/kft/klb
Outside Diameter	12.2 mm <sup>+0,32mm</sup> <sub>-0,22mm</sub>	0,48 " <sup>+0,013"</sup> <sub>-0,022"</sub>

## ELECTRICAL CHARACTERISTIC

Voltage Rating	660 VDC	660 VDC
D.C Conductor Resistance	25,5 Ω/km	7,7 Ω/kft
D.C Armor Resistance	4.2 Ω/km	1.26 Ω/kft
Capacitance @ 1kHz Conductor to Armor	152 pF/m	45,6 pF/ft
Insulation Resistance (Minimum) @ 1000 VDC	20000 MΩ*km	6500 MΩ*kft