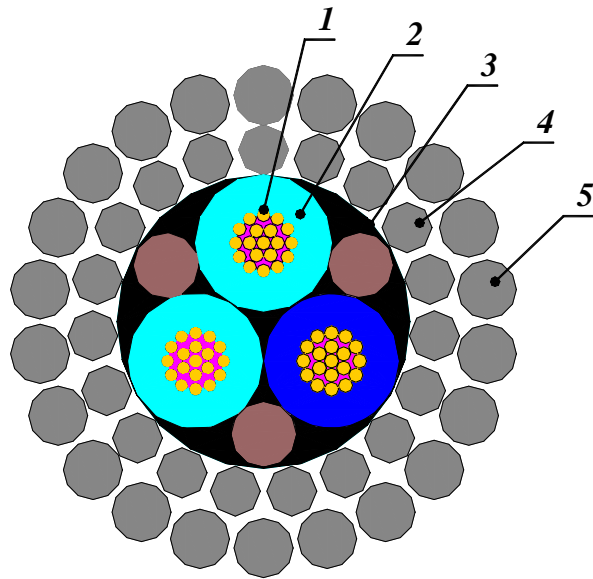


# PSKOVGEOCABLE

**KG 3x1.5-70-180**  
**7/16"**



| № | Name of construction | Material   | Diameter, mm/in |
|---|----------------------|--|-----------------|
| 1 | Conductor            | Copper, AWG 16, 19x0.315mm (1.5 mm <sup>2</sup> ), Water blocked                             | 1.55/0.06       |
| 2 | Insulation           | Tefzel 280, Δ=0.70 mm (DUPONT trademarks)  | 2,95/0.116      |
| 3 | Filler               | Silicon compound, thread, and tape binder  | 6,15/0.242      |
| 4 | Inner armor          | Steel galvanized wire 19x1.1 mm, grade 190 kg/mm <sup>2</sup> , water and gas blocking seal  | 8.35/0.33       |
| 5 | Outer armor          | Steel galvanized wire 22x1.25 mm, grade 190 kg/mm <sup>2</sup> , water and gas blocking seal | 10.85/0.43      |

## MECHANICAL CHARACTERISTIC

|                               | <u>METRIC</u>                                  | <u>ENGLISH</u>                               |
|-------------------------------|--|--|
| Weight in Air                 | 467,1 kg/km                                    | 313 lb/kft                                   |
| Weight in Water               | 381,2 kg/km                                    | 255,4 lb/kft                                 |
| Breaking Strength             | 70 kH  | 15700 lbf                                    |
| Max Working load @ 60% strain | 42 kH  | 9400 lbf                                     |
| Temperature Rating (Maximum)  | 180 °C   | 356 °F                                       |
| Suggested Minimum Sheave: dia | 480 mm   | 19 "   |
| Stretch Coefficient (Nominal) | 0.2 m/km/kH                                    | 0.9 ft/kft/klb                               |
| Outside Diameter              | 10.85 mm <sup>+0,33mm</sup> <sub>-0,22mm</sub> | 0,43 " <sup>+0,010"</sup> <sub>-0,007"</sub> |

## ELECTRICAL CHARACTERISTIC

|   |              |             |
|---|--------------|-------------|
| Voltage Rating                            | 660 VDC      | 660 VDC     |
| D.C Conductor Resistance                  | 13,2 Ω/km    | 3,96 Ω/kft  |
| D.C Armor Resistance                      | 4.7 Ω/km     | 1.3 Ω/kft   |
| Capacitance @ 1kHz Conductor to Armor     | 170 pF/m     | 51 pF/ft    |
| Insulation Resistance (Minimum) @ 500 VDC | 20000 M Ω/km | 6500 MΩ/kft |