

## Technical Characteristics of Cable

Properties		
Cable Diameter	0.322"+0.005"-0.002"(8.18mm+0.13mm-0.05mm)	
Cable Stretch Coefficient	1.2ft/kft/Klbs (1.35 m/Km/5KN)	
Physical		
Cable Weight in Air	194 lbs/Kft (288 kg/km)	
Cable Weight in Water	160 lbs/Kft (238 kg/km)	
Temp Rating MIN	500 F (260 C)	
Copper Construction	19*0.0142" (19*0.361 mm)	
Plastic Type	TEFLON or TEFZEL	
Mechanical		
Cable Breaking Strength Ends Fixed	12000 lbs (53.3 kn) Nominal	
Number and Size of Wires	Inner Armor	1.2 *0.0445" (1.130 mm)
	Outer Armor	18*0.0445" (1.130 mm)
Average Wire Breaking Strength	Inner Armor	442 lbs
	Outer Armor	442 lbs
Electrical		
Maximum Conductor Voltage	1500 VDC	
Recommended Operating Conductor Voltage	500 VDC	
Minimum Insulation Resistance	1500 MegaΩ/kft@500VDC (457 MegaΩ @500VDC)	
Armor Electrical Resistance	2.1 Ω /kft (6.9 Ω /km)	

-The requested cable will be used to logging and perforating operation in oil and gas wells. The requested length of cable is 6000 meter (one reel).

-Insulation is rated to 500 F. Armor wires are rated to 425 F at low levels of H<sub>2</sub>S+CO<sub>2</sub>.

-The armor wires are made of a corrosion resistant alloy steel. Wires are performed.

-SUPERSEAL, a special pressure seal agent, is applied between armor layer.

-Factory and country must be known.

-Materials must be new not renew.