



4H18

3/16" (4.80 mm)
4-CONDUCTOR

NAVIGATION

- CASED HOLE
- OPEN HOLE
- .377"
- 3/16"
- 3/8"
- 7/16"
- 15/32"
- .474"
- DuraSlam
- .49"
- .54"

- SOUR SERVICE
- GEOTHERMAL
- GREASELESS
- FIBER OPTIC
- MECHANICAL WIRELINE

PROPERTIES

Cable Diameter	0.186" +0.004" - 0.002"	(4.72mm +0.13mm -0.05mm)
Minimum Sheave Diameter	14"	(36 cm)
Cable Stretch Coefficient	4.25 ft/Kft/Klbs	(4.78 m/Km/5KN)

ELECTRICAL

Maximum Conductor Voltage	300 VDC	
Conductor AWG Rating	23	
Minimum Insulation Resistance	1,500 MegaΩ/Kft @ 500 VDC	(457 MegaΩ/Km @ 500 VDC)
Armor Electrical Resistance	6.7 Ω/Kft	(22.0 Ω/Km)

MECHANICAL

Cable Breaking Strength			
Ends Fixed	3,100 lbs	(13.8 KN)	Nominal
Maximum Suggested Working Tension	1,550 lbs	(6.9 KN)	
Number and Size of Wires			
Inner Armor	18 x 0.0185"	(0.470 mm)	
Outer Armor	18 x 0.0248"	(0.630 mm)	
Average Wire Breaking Strength			
Inner Armor	72.6 lbs	(0.32 KN)	
Outer Armor	130.5 lbs	(0.58 KN)	

Cable Type	Core Description										Cable Weight	
	Temperature Rating °F °C			Plastic Type	Insulation Thickness in mm	Copper Construction in mm	Res Typical Ω/Kft Ω/Km	Cap. Typical pf/ft pf/m	O.D. Each in mm	Jacket Type	in Air	in H ₂ O
	1 hr. Max Temp	8 hr. Max Temp	Cont. Max Temp									
4H18RPP	300 149	275 135	250 121	Poly	0.0075 0.191	7x0.0085 7x0.216	22.5 73.8	40 131	0.040 1.016	Poly	60 89	49 74

- ▶ The armor wires are high tensile, Galvanized Extra Improved Plow Steel (GEIPS), and coated with anti-corrosion compound for protection during shipping and storing. Wires are preformed.
- ▶ Conductors are "Water Blocked" to reduce water and gas migration.
- ▶ Core assembly – Copper strand consists of six wires around one center wire. Conductor resistance is measured at 68 ° F.
- ▶ The temperature rating assumes a normal gradient for both temperature and weight.
- ▶ All values shown are nominal or typical values.