

NAVIGATION

CASED HOLE

OPEN HOLE

.377"

3/16"

3/8"

7/16"

15/32"

.474"

DuraSlam

.49"

.54"

SOUR SERVICE

GEOTHERMAL

GREASELESS

FIBER OPTIC

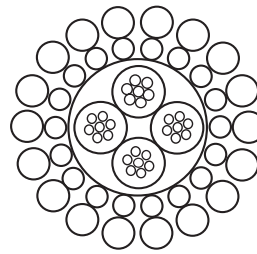
MECHANICAL WIRELINE

4H18-SS

3/16" (4.80 mm)

4-CONDUCTOR

STAINLESS STEEL WIRE



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 Mega Ω /Kft @ 500 VDC	(457 Mega Ω /Km @ 500 VDC)
Armor Electrical Resistance	6.7 Ω /Kft	(22.0 Ω /Km)

MECHANICAL

Cable Breaking Strength			
Ends Fixed	2,600 lbs	(11.6 KN)	Nominal
Maximum Suggested Working Tension	1,300 lbs	(5.8 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	63.2 lbs	(0.28 KN)	
Outer Armor	131.5 lbs	(0.51 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								lbs/Kft Kg/Km	
4H18RPP-SS	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	61 91	50 75

- ▶ The armor wires are high tensile 316 Stainless Steel, 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.