



**3/16" (4.80 mm)
4-CONDUCTOR
CABLE
4H18**

PROPERTIES:

Cable Diameter:	0.189" +0.004" - 0.002"	(4.80 mm + 0.10mm -0.05mm)
Minimum Sheave Diameter:	10"	(25 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 MegΩ/Kft @ 500VDC	(457 MegΩ/Km @ 500VDC)
Armor Electrical Resistance:	6.7 Ω/Kft	(22.0 Ω/Km)

MECHANICAL:

Cable Breaking Strength:

Ends Fixed:	3,100 lbs	(13.8 KN)	Nominal
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Maximum Suggested Working Tension:

1,550 lbs	(6.9 KN)
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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 lbs	(0.32 KN)
Outer Armor	130 lbs	(0.58 KN)

Cable Type		Core Description							Cable Weight		
	Temp Rating	Plastic Type	Insulation Thickness	Copper Construction	Res Typical	Cap. Typical	O.D. Each	Jacket Type	in	in	Spec. Gravity
	°F °C								Air	H2O	
		in		in		Ω/Kft Ω/Km		pf/ft pf/m		lbs/Kft Kg/Km	
4H18RPP	300 149	Poly	0.0075 0.191	7x0.0085 7x0.216	22.5 73.8	36 118	0.047 1.194	Poly	84 124	69 103	5.73

- * 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 and cables are post tensioned.
- * Core assembly – Copper strand consists of six wires around one center wire. Voids in the copper strand are filled with a water-blocking agent to reduce water and gas migration. 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.