



# SWAB LINES

	3/16"	7/32"
<b>CONSTRUCTION</b>	1x16 (1-6-9)	1x16 (1-6-9)
Outside diameter	.188"(4.78 mm)	.219"(5.56 mm)
Center wire diameter	.036"(0.91 mm)	.042"(1.1 mm)
<i>Inner Layer - Left lay</i>		
Number of wires	6	6
Wire diameter	.032"(0.81 mm)	.038"(0.97 mm)
<i>Outer Layer - Right lay</i>		
Number of wires	9	9
Wire diameter	.044"(1.12 mm)	.054"(1.37 mm)
<b>MECHANICAL CHARACTERISTICS</b>		
Breaking strength	4,600 lbs (20.46 kN)	6,800 lbs (30.25 kN)
Center Wire	289 lbs (1.29 kN)	394 lbs (1.75 kN)
Inner Wire	229 lbs (1.02 kN)	322 lbs (1.43 kN)
Outer Wire	432 lbs (1.92 kN)	651 lbs (2.90 kN)
Maximum suggested working tension	2,300 lbs (10.23 kN)	3,400 lbs (15.12 kN)
Weight	70.6 lb/Kft (105.2 kg/km)	104.2 lb/Kft (155.0 kg/km)
Diameter tolerance	± 2%	± 2%
Calculated stretch coefficient	2.85 ft/Kft/Klb	1.80 ft/Kft/Klb
Minimum sheave diameter	18" (45.72 cm)	22" (55.88 cm)
	1/4"	5/16"
<b>CONSTRUCTION</b>	1x19 (1-6-12)	1x19 (1-6-12)
Outside diameter	.250"(6.35 mm)	.313"(7.94 mm)
Center wire diameter	.058"(1.47 mm)	.072"(1.83 mm)
<i>Inner Layer - Left lay</i>		
Number of wires	6	6
Wire diameter	.048"(1.22 mm)	.062"(1.57 mm)
<i>Outer Layer - Right lay</i>		
Number of wires	12	12
Wire diameter	.048"(1.22 mm)	.062"(1.57 mm)
<b>MECHANICAL CHARACTERISTICS</b>		
Breaking strength	8,300 lbs (36.92 kN)	13,900 lbs (61.83 kN)
Center Wire	751 lbs (3.34 kN)	1,157 lbs (5.15 kN)
Inner Wire	514 lbs (2.29 kN)	858 lbs (3.82 kN)
Outer Wire	514 lbs (2.29 kN)	858 lbs (3.82 kN)
Maximum suggested working tension	4,150 lbs (18.46 kN)	6,950 lbs (30.92 kN)
Weight	127.1 lb/Kft (189.1 kg/km)	207.6 lb/Kft (308.9 kg/km)
Diameter tolerance	± 2%	± 2%
Calculated stretch coefficient	1.70 ft/Kft/Klb	1.10 ft/Kft/Klb
Minimum sheave diameter	19" (48.26 cm)	25" (63.50 cm)

- The armor wires are Galvanized Improved Plow Steel (GIPS), with anti-corrosion compound for protection during shipping and storing.