



SWAB LINES

Type (Nominal diameter)	3/16"	7/32"	1/4"
CONSTRUCTION (Special)	1x16 (9/6/1)	1x16 (9/6/1)	1x19 (12/6/1)
<i>Inner Layer – Left</i>			
Outside diameter	.100"(2.54mm)	.118"(3.0mm)	0.154"(3.91mm)
Center wire diameter	.036"(0.91mm)	.042"(1.07mm)	0.058"(1.47mm)
Number of outer wires	6	6	6
Outer wire diameter	.032"(.81mm)	.038"(.97mm)	0.048"(1.22mm)
<i>Outer Layer - Right</i>			
Outside diameter	.188"(4.78mm)	.224"(5.69mm)	0.250"(6.35mm)
Number wires	9	9	12
Wire diameter	.044"(1.12mm)	.054"(1.37mm)	0.048"(1.22mm)
MECHANICAL CHARACTERISTICS			
Breaking Strength	4.6 Klbs(2.10 Kkg)	6.8 Klbs(3.10Kkg)	8.4Klbs(3.80 Kkg)
Maximum Suggested Working Tension	2.3 Klbs(1.05 Kkg)	3.4 Klbs(1.55 Kkg)	4.2 Klbs(1.90 Kkg)
Weight	70.6 lb/Kft (105 Kg/Km)	104.2 lb/Kft (155 Kg/Km)	124.3 lb/Kft (185 Kg/Km)
Diameter Tolerance	± 2%	± 2%	± 2%
Stretch Coefficient	2.85 ft/Kft/Klb	1.80 ft/Kft/Klb	1.70 ft/Kft/Klb

Type (Nominal diameter)	5/16"
CONSTRUCTION (Special)	1x19 (12/6/1)
<i>Inner Layer – Left</i>	
Outside diameter	.196"(4.98mm)
Center wire diameter	.072"(1.83mm)
Number of outer wires	6
Outer wire diameter	.062"(1.57mm)
<i>Outer Layer - Right</i>	
Outside diameter	.317"(8.05mm)
Number wires	12
Wire diameter	.062"(1.57mm)
MECHANICAL CHARACTERISTICS	
Breaking Strength	13.90 Klbs(6.30 Kkg)
Maximum Suggested Working Tension	6.95 Klbs(3.15 Kkg)
Weight	207.6 lb/Kft (309 Kg/Km)
Diameter Tolerance	± 2%
Stretch Coefficient	1.10 ft/Kft/Klb

* The armor wires are high tensile, Galvanized Improved Plow Steel (GIPS), and coated with anti-corrosion compound for protection during shipping and storing. Wires are preformed and cables are postformed.
 * SUPERSEAL, a special pressure seal agent, is applied between armor layers.