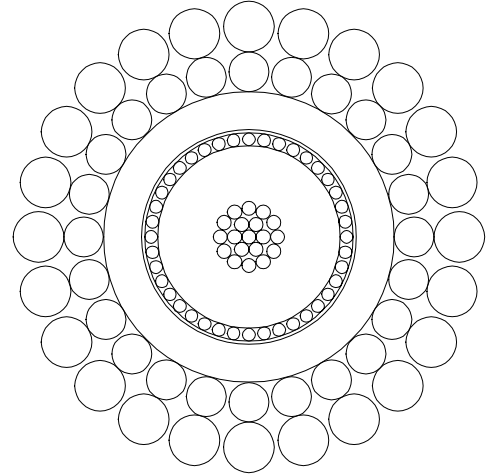


# DATA LINE®

Description	Inch	mm
<u>ELEMENT A: Coax</u>		
Cdr: #14 AWG (1.94 mm <sup>2</sup> ) BC	0.068	1.73
Ins: HDPE	0.178	4.52
Rtrn: #12 AWG (3.22 mm <sup>2</sup> ) BC	0.203	5.16
Tape: Copper Polyester	0.210	5.33
Belt: HDPE	0.287	7.29
<u>ARMOR</u>		
Layer #1: 24/0.0375" GIPS	0.354	8.99
Layer #2: 24/0.048" GIPS	0.450	11.43



PROPRIETARY; Use Pursuant to Company Instructions

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## PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C

Metric

English

### PHYSICAL

Weigh in Air	469 kg/km	315 lb/kft
Weight in Seawater	379 kg/km	255 lb/kft
Specific Gravity	5.4	5.4

### MECHANICAL

Breaking Strength	71.2 kN	16,000 lbf
Maximum Working Load	17.8 kN	4,000 lbf
Minimum Bend Radius	23 cm	9 in

### ELECTRICAL

Voltage Rating	1,900 Vdc	1,900 Vdc
dc Resistance		
cdr	9.8 Ω/km	3.0 Ω/kft
return	6.9 Ω/km	2.1 Ω/kft
Insulation Resistance	3,000 MΩ•km	10,000 MΩ•kft
Capacitance	131 pF/m	40 pF/ft
Characteristic Impedance		
@ 1 MHz	40 Ω	40 Ω
Attenuation		
@ 0.5 MHz	7.9 dB/km	2.4 dB/kft
@ 1.0 MHz	11.5 dB/km	3.5 dB/kft
@ 3.0 MHz	20.3 dB/km	6.2 dB/kft
@ 5.0 MHz	26.2 db/km	8.0 dB/kft

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