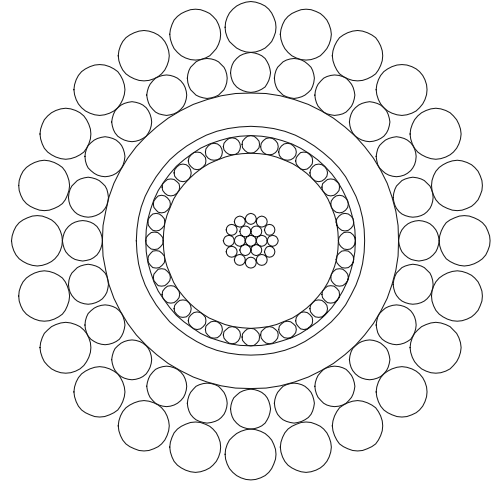


# DATA LINE<sup>®</sup>

Description	Inch	mm
<u>ELEMENT - Coax</u>		
Cdr: #20 AWG (0.49 mm <sup>2</sup> ) Cu	0.034	0.86
Insulation: Polyethylene	0.112	2.84
Return: #14 AWG (2.07mm <sup>2</sup> ) Cu	0.135	3.43
Tape: Copper Polyester	0.142	3.61
Belt: Polyethylene	0.180	4.57
<u>ARMOR</u>		
Layer #1: 24/0.024" GEIPS	0.228	5.79
Layer #2: 24/0.031" GEIPS	0.290	7.37



PROPRIETARY; Use Pursuant to Company Instructions

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## PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C

	Metric	English
<u>PHYSICAL</u>		
Weigh in Air	198 kg/km	133 lb/kft
Weight in Seawater	156 kg/km	106 lb/kft
Specific Gravity	5.6	5.6
<u>MECHANICAL</u>		
Breaking Strength	30 kN	6,800 lbf
Working Load	7 kN	1,600 lbf
Recommended Bend Radius	15 cm	6 in
<u>ELECTRICAL</u>		
Voltage Rating, cdr-return	1,000 Vdc	1,000 Vdc
Insulation Resistance	3,000 MΩ•km	10,000 MΩ•kft
dc Resistance		
Cdr	39.4 Ω/km	12.0 Ω/kft
Return	9.2 Ω/km	2.8 Ω/kft
Characteristic Impedance		
@ 1 MHz	50 Ω	50 Ω
Capacitance	108 pF/m	33 pF/ft
Attenuation		
@ 0.5 MHz	10.5 dB/km	3.2 dB/kft
@ 1.0 MHz	14.8 dB/km	4.5 dB/kft
@ 10.0 MHz	46.3 dB/km	14.1 dB/kft

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