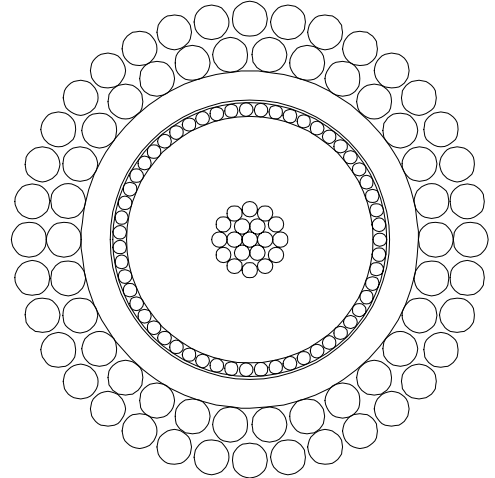


# DATA LINE®

Description	Inch	mm
<u>ELEMENT - Coax</u>		
Cdr: #12 AWG (3.08 mm <sup>2</sup> ) Cu	0.086	2.18
Insulation: Polypropylene	0.286	7.26
Return: #9 AWG (7.05 mm <sup>2</sup> )	0.318	8.08
Tape: Copper Polyester	0.324	8.20
Belt: Polypropylene	0.391	9.93
<u>ARMOR</u>		
Layer #1: 30/0.041" GEIPS	0.473	12.01
Layer #2: 36/0.041" GEIPS	0.555	14.10



PROPRIETARY; Use Pursuant to Company Instructions

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**PERFORMANCE CHARACTERISTICS**

Nominal Values @ 20°C

Metric

English

PHYSICAL

Weigh in Air	636 kg/km	427 lb/kft
Weigh in Seawater	494 kg/km	332 lb/kft
Specific Gravity	4.5	4.5

MECHANICAL

Breaking Strength	89 kN	20,000 lbf
Maximum Working Load	22 kN	5,000 lbf
Minimum Bend Radius	28 cm	11 in

ELECTRICAL

Voltage Rating	3,000 Vdc	3,000 Vdc
Insulation Resistance	3,000 MΩ•km	10,000 MΩ•kft
dc Resistance		
Cdr	6.2 Ω/km	1.9 Ω/kft
Return	3.0 Ω/km	0.9 Ω/kft
Characteristic Impedance		
@ 1 MHz	50 Ω	50 Ω
Capacitance	102 pF/m	31 pF/ft
Attenuation		
@ 1.0 MHz	5.6 dB/km	1.7 dB/kft
@ 10.0 MHz	18.1 dB/km	5.5 dB/kft

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