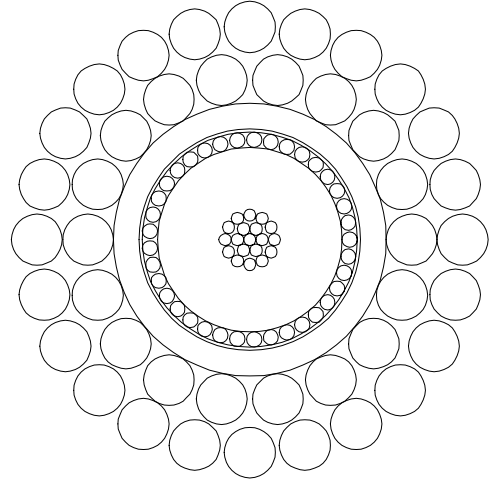


DATA LINE[®]

Description	Inch	mm
<u>ELEMENT - Coax</u>		
Cdr: #18 AWG (0.81 mm ²) Cu	0.045	1.14
Insulation: Polypropylene	0.137	3.48
Return: #13 AWG (2.39 mm ²) Cu	0.160	4.06
Tape: Copper Polyester	0.165	4.19
Belt: Polypropylene	0.207	5.26
<u>ARMOR</u>		
Layer #1: 18/0.038" GEIPS	0.278	7.06
Layer #2: 24/0.038" GEIPS	0.354	8.99



PROPRIETARY; Use Pursuant to Company Instructions

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PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C

	Metric	English
<u>PHYSICAL</u>		
Weigh in Air	308 kg/km	207 lb/kft
Weight in Seawater	253 kg/km	170 lb/kft
Specific Gravity	5.6	5.6
<u>MECHANICAL</u>		
Breaking Strength	49 kN	11,000 lbf
Maximum Working Load	11 kN	2,500 lbf
Minimum Bend Radius	18 cm	7 in
<u>ELECTRICAL</u>		
Voltage Rating	1,000 Vdc	1,000 Vdc
Insulation Resistance		
Cdr – return @ 1,000 Vdc	3,000 MΩ•km	10,000 MΩ•kft
Return – armor @ 500 Vdc	1,500 MΩ•km	5,000 MΩ•kft
dc Resistance		
Cdr	23.0 Ω/km	7.0 Ω/kft
Return	7.9 Ω/km	2.4 Ω/kft
Characteristic Impedance		
@ 1 MHz	47 Ω	47 Ω
Capacitance	112 pF/m	34 pF/ft
Attenuation		
@ 0.1 MHz	3.9 dB/km	1.2 dB/kft
@ 1.0 MHz	12.1 dB/km	3.7 dB/kft
@ 10.0 MHz	39.4 db/km	12.0 dB/kft

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