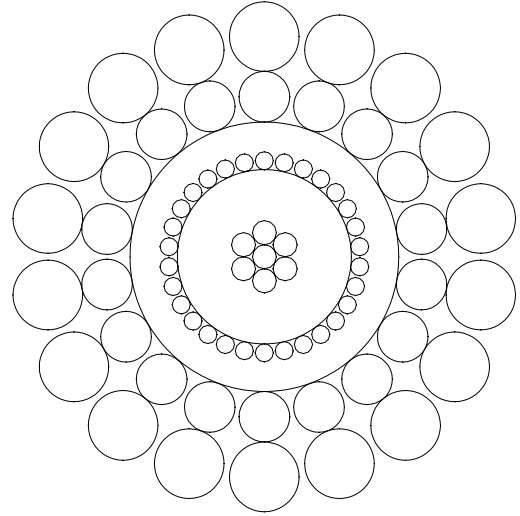


DATA LINE[®]

Description	Inch	mm
<u>ELEMENT A; Coax</u>		
Cdr: #18 AWG (0.82 mm ²) Cu	0.046	1.17
Ins: 0.032" Wall EPC	0.110	2.79
Shld: #14 AWG (1.94 mm ²) Cu	0.133	3.38
Belt: 0.0185" Wall EPC	0.170	4.57
<u>ARMOR</u>		
Layer #1: 18/0.032" GIPS	0.234	5.94
Layer #2: 18/0.044" GIPS	0.322	8.18



PROPRIETARY; Use Pursuant to Company Instructions

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PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C	Metric	English
<u>PHYSICAL</u>		
Weight in Air	266 kg/km	179 lb/kft
Weight in Seawater	222 kg/km	149 lb/kft
Specific Gravity (Seawater)	6.2	6.2
Operating Temperature	-15°C to 125°C	5°F to 250°F
<u>MECHANICAL</u>		
Breaking Strength	42.7 kN	9,600 lbf
Working Load	17.1 kN	3,800 lbf
Minimum Bend Radius	18 cm	7 in
<u>ELECTRICAL</u>		
Voltage Rating	1,200 V	1,200 V
dc Resistance		
cdr	23.0 Ω/km	7.0 Ω/kft
shield	10.5 Ω/km	3.2 Ω/kft
armor	8.2 Ω/km	2.5 Ω/kft
Insulation Resistance	15,000 MΩ•km	50,000 MΩ•kft
Capacitance	131 pF/m	40 pF/ft
Characteristic Impedance		
@ 1 MHz	39 Ω	39 Ω
Attenuation		
@ 0.5 MHz	11.2 dB/km	3.4 dB/kft
@ 1 MHz	15.8 dB/km	4.8 dB/kft

Note: This cable is not recommended for operation above 1 MHz; for higher frequencies, contact The Rochester Corporation for alternate design.

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