

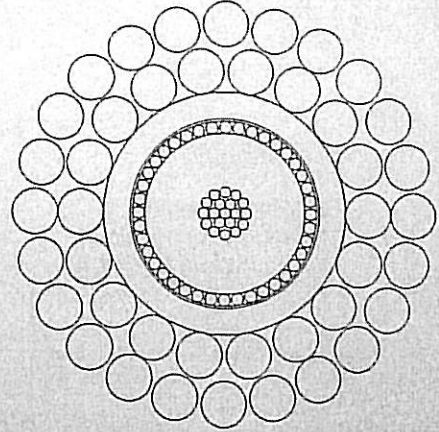
W2

751 Old Brandy Road
Culpeper, Virginia 22701

Tele: 540 825-2111
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DATA LINE[®]

Description	Inch	mm
<u>ELEMENT - Coax</u>		
Cdr: #17 AWG (0.96 mm ²) Cu	0.048	1.22
Insulation: HDPE	0.149	3.78
Return: #13 AWG (2.59 mm ²) Cu	0.172	4.37
Tape: Copper Polyester	0.176	4.47
Belt: HDPE	0.226	5.74
<u>ARMOR</u>		
Layer #1: 18/0.042" GIPS	0.310	7.87
Layer #2: 24/0.042" GIPS	0.394	10.01



PROPRIETARY; Use Pursuant to Company Instructions

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Signal Transmission Cable
Code: TC0010202PO00

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PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C	Metric	English
<u>PHYSICAL</u>		
Weight in Air	376 kg/km	253 lb/kft
Weight in Seawater	308 kg/km	207 lb/kft
Specific Gravity	5.5	5.5
<u>MECHANICAL</u>		
Breaking Strength	54 kN	12,100 lbf
Maximum Working Load	16.5 kN	3,700 lbf
Minimum Bend Radius	20 cm	8 in
<u>ELECTRICAL</u>		
Voltage Rating	2,400 Vdc	2,400 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	18.4 Ω/km	5.6 Ω/kft
Return	7.5 Ω/km	2.3 Ω/kft
Characteristic Impedance @ 1.0 MHz	47 Ω	47 Ω
Capacitance	112 pF/m	34 pF/ft
Attenuation @ 1.0 MHz	11.5 dB/km	3.5 dB/kft

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