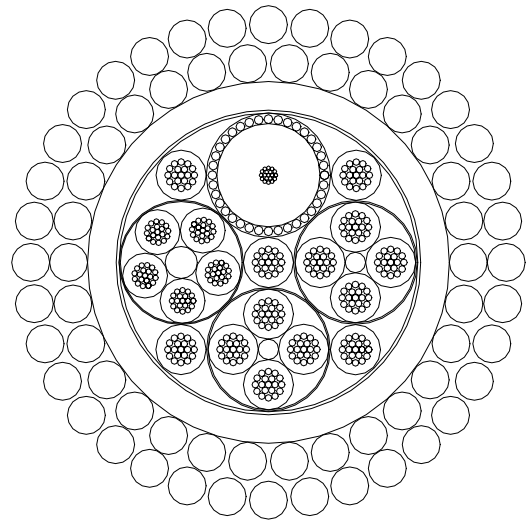


DATA LINE[®]

Description	Inch	mm	Description	Inch	mm
<u>ELEMENT A</u> - Coax (1) Cdr: # 22 AWG Cu (0.39 mm ²) Ins: Polyethylene Served Shield: # 11 AWG Cu (4.34 mm ²) Taped Shield: Cu Polyester	0.030 0.177 0.207 0.213	0.76 4.50 5.26 5.41	<u>ASSEMBLY</u> Core: 1 Element D Layer #1: 1 Element A, 1 Element B, 2 Element C's with 1-D in each interstice; void filled and taped.	0.086 0.522	2.18 13.26
<u>ELEMENT B</u> - Quint (1) Cdr: #18 AWG Cu (0.81 mm ²) Ins: Polypropylene Ass'y: 5 ins. cdrs cabled around a monofilament; void filled and taped.	0.045 0.077 0.212	1.14 1.96 5.39	<u>BELT</u> Hytrel®, Black <u>ARMOR</u> - 2 Layers 1st Layer; 30/0.065" GIPS 2nd Layer; 36/0.065" GIPS	0.620 0.750 0.880	15.75 19.05 22.35
<u>ELEMENT C</u> - Quad (2) Cdr: #16 AWG Cu (1.23 mm ²) Ins: Polypropylene Ass'y: 4 ins. cdrs cabled around a monofilament; void-filled and taped.	0.054 0.086 0.213	1.37 2.18 5.41			
<u>ELEMENT D</u> - Single (5) Cdr: #16 AWG Cu (1.23 mm ²) Ins: Polypropylene	0.054 0.086	1.37 2.18			

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PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C

	Metric	English
<u>PHYSICAL</u>		
Weight in Air	1610 kg/km	1,082 lb/kft
Weight in Freshwater	1265 kg/km	850 lb/kft
Weight in Seawater	1254 kg/km	843 lb/kft
Specific Gravity	4.8	4.8
<u>MECHANICAL</u>		
Breaking Strength	205 kN	46,000 lbf
Working Load	51 kN	11,500 lbf
Recommended Bend Radius *	46 cm	18 inches
<u>ELECTRICAL</u>		
Voltage Rating		
Element A	2,000 Volts	2,000 Volts
Element B	600 Volts	600 Volts
Element C	1,000 Volts	1,000 Volts
Element D	1,000 Volts	1,000 Volts
Insulation Resistance		
Element A	12,000 MΩ•km	40,000 MΩ•kft
Element B	3,000 MΩ•km	10,000 MΩ•kft
Element C	3,000 MΩ•km	10,000 MΩ•kft
Element D	3,000 MΩ•km	10,000 MΩ•kft
dc Resistance		
Element A		
cdr	50.9 Ω/km	15.5 Ω/kft
shield	4.9 Ω/km	1.5 Ω/kft
Element B	24.6 Ω/km	7.5 Ω/kft
Element C	16.1 Ω/km	4.9 Ω/kft
Element D	16.1 Ω/km	4.9 Ω/kft
Attenuation		
Element A		
@ .5MHz	7.2 dB/km	2.2 dB/kft
@ 1 MHz	10.8 dB/km	3.2 dB/kft
@ 5 MHz	23.0 dB/km	7.0 dB/kft
Capacitance		
Element A	68.9 pF/m	21 pF/ft
Characteristic Impedance @ 1 MHz		
Element A	74 Ω	74 Ω

* The relationship between sheave diameter and cable diameter is a critical factor used to establish a product's fatigue resistance or relative serviceability. Operation over smaller than recommended diameters may adversely affect service life.

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