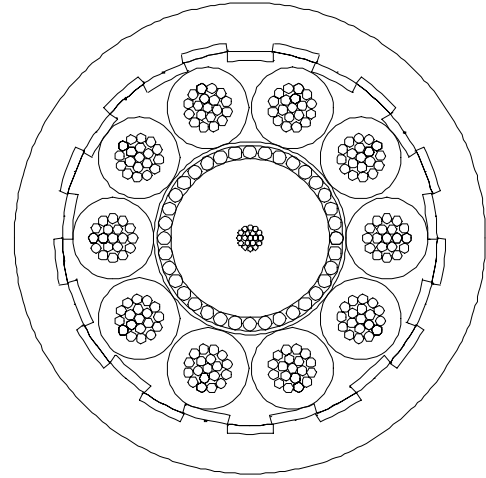


DATA LINE[®]

Description	Inch	mm
<u>ELEMENT A: Coax (1)</u>		
Cdr: #24 AWG (0.024 mm ²) Cu	0.024	0.61
Ins: HDPE	0.148	3.76
Shield: #12 AWG Served Cu	0.173	4.40
Shielding Tape: Cu/Poly	0.180	4.57
<u>ELEMENT B: Power Single (10)</u>		
Cdr: #18 AWG (0.81 mm ²) Cu	0.045	1.14
Ins: PP	0.076	1.93
<u>ASSEMBLY</u>		
Core: Element A	0.180	4.57
Layer #1: 10 Element B's	0.332	8.43
<u>STRENGTH MEMBER</u>		
2 layer served Aramid fiber	0.366	9.30
<u>JACKET</u>		
Nylon	0.440	11.18



PROPRIETARY; Use Pursuant to Company Instructions

PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C

	Metric	English
<u>PHYSICAL</u>		
Weight in Air	189 kg/km	127 lb/kft
Weight in Seawater	88 kg/km	59 lb/kft
Specific Gravity	1.9	1.9
<u>MECHANICAL</u>		
Breaking Strength (Fixed End)	17 kN	3,800 lbf
Working Load	2.2 kN	500 lbf
Recommended Bend Radius	23 cm	9 in
<u>ELECTRICAL</u>		
Voltage Rating		
Element A	1,500 V	1,500 V
Element B	600 V	600 V
dc Resistance		
Element A		
cdr	78.4 Ω/km	23.9 Ω/kft
shield	6.2 Ω/km	1.9 Ω/kft
Element B	24.6 Ω/km	7.5 Ω/kft
Insulation Resistance		
Element A	3,000 MΩ•km	10,000 MΩ•kft
Element B	3,000 MΩ•km	10,000 MΩ•kft
Capacitance		
Element A	69 pF/m	21 pF/ft
Characteristic Impedance		
Element A @ 1 MHz	75 Ω	75 Ω
Attenuation		
Element A		
@ 0.5 MHz	9.2 dB/km	2.8 dB/kft
@ 1.0 MHz	12.5 dB/km	3.8 dB/kft

PROPRIETARY; Use Pursuant to Company Instructions

tyco / *Electronics* / **The Rochester Corporation**

Instrumentation and Control Cable
Code: IE012034HON00

Date	Page	Revision	Part No.
06/08/2004	2	J	A304585