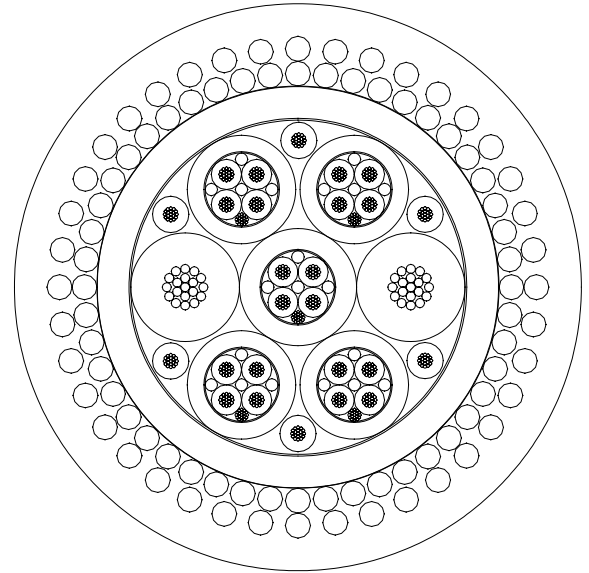


DATA LINE®

Description	Inch	mm
<u>ELEMENT A: Power Conductor (2)</u>		
Cdr: #10 AWG (5.64 mm ²) Cu	0.118	3.00
Ins: PP	0.287	7.29
<u>ELEMENT B: Shielded Quad (5)</u>		
Cdr: #19 AWG (0.62 mm ²) Cu	0.039	0.99
Ins: PP	0.080	2.03
Assembly: 4 ins. cdrs around a nylon monofilament with nylon monofilaments and a drain wire in interstices. Void filled and bound with Al Polyester tape.	0.200	5.08
Belt (4): PE	0.287	7.29
Belt (1): PE	0.310	7.87
<u>ELEMENT C: Signal Conductor (6)</u>		
Cdr: #19 AWG (0.62 mm ²) Cu	0.039	0.99
Ins: PE	0.096	2.44
<u>ASSEMBLY</u>		
Core: 1 Element B	0.310	7.87
Layer #1: 2 Element A's and 4 Element B's with 6 Element C's in interstices. Void filled and bound with Glass Polyester tape.	0.894	22.71
<u>BELT</u>		
PU	1.064	27.03
<u>STRENGTH MEMBER</u>		
Layer 1: 48/0.066" GIPS	1.196	30.38
Layer 2: 40/0.066" GIPS	1.328	33.73
<u>JACKET</u>		
PE	1.500	38.10



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PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C

	Metric	English
<u>PHYSICAL</u>		
Weight in Air	2,796 kg/km	1,879 lb/kft
Weight in Seawater	1,624 kg/km	1,091 lb/kft
Specific Gravity	2.4	2.4
<u>MECHANICAL</u>		
Breaking Strength	276 kN	62,000 lbf
Working Load	71 kN	16,000 lbf
Recommended Working Bend Radius	97 cm	38 in
Storage Bend Radius	38 cm	15 in
<u>ELECTRICAL</u>		
Voltage Rating		
Element A	3,000 V	3,000 V
Element B	1,000 V	1,000 V
Element C	1,000 V	1,000 V
dc Resistance		
Element A	3.3 Ω/km	1.0 Ω/kft
Element B	33.5 Ω/km	10.2 Ω/kft
Element C	33.5 Ω/km	10.2 Ω/kft
Insulation Resistance		
Element A	9,000 MΩ·km	30,000 MΩ·kft
Element B	6,000 MΩ·km	20,000 MΩ·kft
Element C	6,000 MΩ·km	20,000 MΩ·kft

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