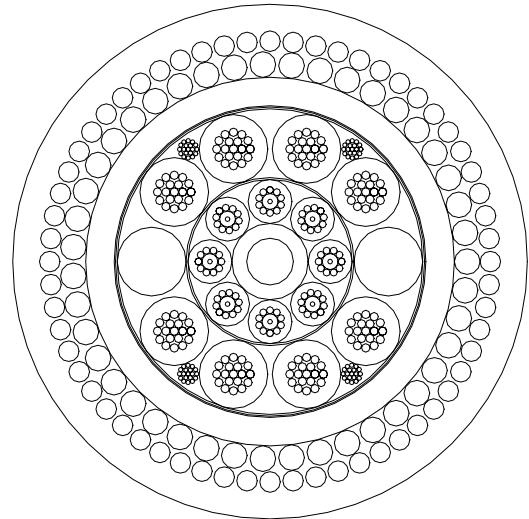


# DATA LINE®

Description	Inch	mm
<b>ELEMENT A; STEEL-LIGHT® (8)</b>		
Fbr: 62.5/125/245 µm MM	0.010	0.25
Buffer: Hytrel®	0.034	0.86
Armr: 10/0.015" Plow Steel	0.064	1.63
Belt: Polyethylene	0.094	2.39
<b>ELEMENT B; Power Single (8)</b>		
Cdr: #12 AWG (3.08 mm <sup>2</sup> ) Cu	0.086	2.18
Ins: Polyethylene	0.147	3.73
<b>ASSEMBLY</b>		
Core: Compliant Fill Rod	0.170	4.32
Layer #1: 8 Element A's. Void filled & bound with Adhesive/Poly tape.	0.359	9.10
Layer #2: 8 Element B's and 2 fill rods with 4 drain wires placed in interstices. Void filled and bound with Al/Poly tape.	0.666	16.92
<b>BELT</b>		
HD Polyethylene	0.781	19.84
<b>STRENGTH MEMBER*</b>		
Layer #1: 43/0.055" GIPS	0.891	22.63
Layer #2: 60/0.044" GIPS	0.979	24.87
<b>JACKET</b>		
HD Polyethylene	1.100	27.94



Hytrel® is a registered trademark of Du Pont

\*Contra helical rotation resistant  
armor @ 96% - 98% coverage.

PROPRIETARY; Use Pursuant to Company Instructions

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

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## PERFORMANCE CHARACTERISTICS

Nominal Values @ 20 °C

**METRIC**

**ENGLISH**

### PHYSICAL

Weight in Air	1,810 kg/km	1,216 lb/kft
Weight in Seawater	1,182 kg/km	794 lb/kft
Specific Gravity	2.9	2.9
Temperature Range	-20°C to 90°C	-5°F to 195°F

### MECHANICAL

Breaking Strength	205 kN	45,000 lbf
Working Load	44.5 kN	10,000 lbf
Recommended Bend Radius *	56 cm	22 in

### ELECTRICAL

dc Resistance		
Element B	6.6 Ω/km	2.0 Ω/kft
Voltage Rating		
Element B	1,200 Volts	1,200 Volts
Insulation Resistance		
Element B	3,000 MΩ•km	10,000 MΩ•kft

### OPTICAL

Attenuation Rate		
Element A		
@ 850 nm	3.8 dB/km	--
@ 1300 nm	1.6 dB/km	--
Bandwidth		
Element A		
@ 850 nm	160 MHz•km	--
@ 1300 nm	500 MHz•km	--

\* 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.

PROPRIETARY; Use Pursuant to Company Instructions

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