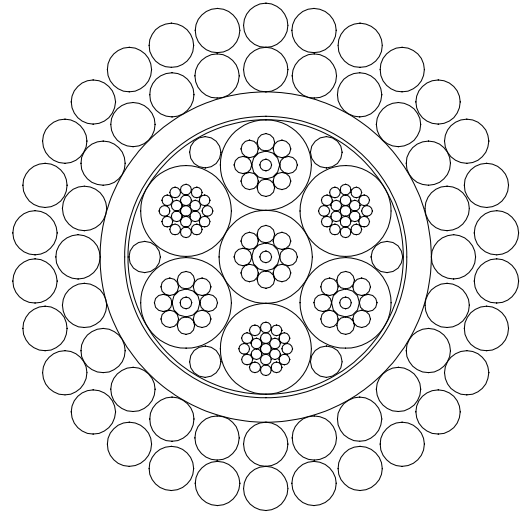


# DATA LINE<sup>®</sup>

Description	Inch	mm
<u>ELEMENT A: Optical Steel-Light<sup>®</sup> (3)</u>		
Fbr: 62.5/125/245 μm MM	0.010	0.25
Bffr: Hytrel <sup>®</sup>	0.024	0.61
Armr: 8/0.015" Plow Steel	0.054	1.37
Belt: HDPE	0.078	1.98
<u>ELEMENT B: Optical Steel-Light<sup>®</sup> (1)</u>		
Fbr: 62.5/125/245 μm MM	0.010	0.25
Bffr: Hytrel <sup>®</sup>	0.024	0.61
Armr: 8/0.015" Plow Steel	0.054	1.37
Belt: HDPE	0.080	2.03
<u>ELEMENT C: Power Single (3)</u>		
Cdr: #18 AWG (0.81 mm <sup>2</sup> ) Cu	0.045	1.14
Ins: PP	0.078	1.98
<u>ASSEMBLY</u>		
Core: Element B	0.080	2.03
Layer 1: 3A's and 3C's with fill rods in interstices. Void filled and bound with Adh/Poly tape.	0.242	6.15
<u>BELT</u>		
HDPE	0.284	7.21
<u>STRENGTH MEMBER</u>		
Layer #1: 24/0.038" GEIPS	0.360	9.14
Layer #2: 30/0.038" GEIPS	0.436	11.07



Hytrel<sup>®</sup> is a registered trademark of DuPont.

PROPRIETARY; Use Pursuant to Company Instructions

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## PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C

	Metric	English
<b><u>PHYSICAL</u></b>		
Weight in Air	427 kg/km	285 lb/kft
Weight in Freshwater	341 kg/km	229 lb/kft
Weight in Seawater	338 kg/km	227 lb/kft
Specific Gravity	5.3	5.3
Temperature Range	-30°C to 80°C	-20°F to 175°F

### MECHANICAL

Breaking Strength	64.5 kN	14,500 lbf
Working Load @ 0.40% Strain	15.6 kN	3,500 lbf
Recommended Bend Radius <sup>1</sup>	23.5 cm	9 in

### ELECTRICAL

Voltage Rating Element C	600 V	600 V
dc Resistance Element C	23.5 Ω/km	7.2 Ω/kft
Insulation Resistance Element C	3,000 MΩ•km	10,000 MΩ•kft

### OPTICAL

Attenuation Rate Elements A and B @ 850 nm	4.20 dB/km	--
@ 1300 nm	2.20 dB/km	--
Bandwidth Elements A and B @ 850 nm	≥ 160 MHz•km	--
@ 1300 nm	≥ 500 MHz•km	--

<sup>1</sup>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 sheave diameters may adversely effect service life.

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