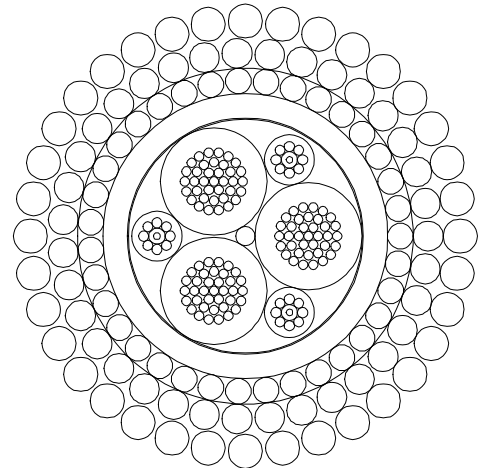


DATA LINE[®]

Description	Inch	mm
ELEMENT A: Power Single (3)		
Cdr: #11 AWG, Hard-drawn Cu		
Ins: Polyethylene	0.156	3.96
ELEMENT B: Optical Steel-Light[®] (3)		
Fiber: 8.3/125/245 μ m SMF		
Buffer: Hytrel [®]	0.024	0.61
Aarmor: 8/0.015" Plow Steel	0.054	1.37
Belt: Polyethylene	0.074	1.88
ASSEMBLY		
Core: Filler Rod	0.030	0.76
Layer 1: 3 Element B's with 1 Element A in each interstice.		
Void fill and tape.	0.344	8.74
Belt: Polyethylene	0.415	10.54
ARMORING		
1 st Layer: 35 wires GEIPS	0.495	12.57
2 nd Layer: 35 wires GEIPS	0.583	14.81
3 rd Layer: 36 wires GEIPS	0.681	17.30



PROPRIETARY; Use Pursuant to Company Instructions

PERFORMANCE CHARACTERISTICS

Nominal Values @ 20 °C	METRIC	ENGLISH
<u>PHYSICAL</u>		
Weight in Air	1,110 kg/km	746 lb/kft
Weight in Seawater	895 kg/km	601 lb/kft
Specific Gravity (seawater)	5.2	5.2
Operating Temperature	-30 °C to 80 °C	-22 °F to 175 °F
<u>MECHANICAL</u>		
Breaking Strength (Fixed End)	186 kN	42,000 lbf
Breaking Strength (Free End)	186 kN	42,000 lbf
Working Load @ 0.35% Strain	44.5 kN	10,000 lbf
Working Load @ 0.5% Strain	64.5 kN	14,500 lbf
Rotation @ 14,500 lbf	<3.3 °/m	<1 °/ft
Recommended Bend Radius @ 10,000 lbf	35 cm	14 inches
Recommended Bend Radius @ 14,000 lbf	61 cm	24 inches
<u>ELECTRICAL</u>		
Voltage Rating @ 123 volts/mil	2,800 Vdc	2,800 Vdc
Insulation Resistance	3,000 MΩ.km	10,000 MΩ.kft
dc Resistance	4.9 Ω/km	1.5 Ω/kft
<u>OPTICAL</u>		
Attenuation		
@ 1310 nm	0.7 dB/km	--
@ 1550 nm	0.7 dB/km	--
Proof Test	1,380 N/mm ²	200 kpsi

PROPRIETARY; Use Pursuant to Company Instructions


Tyco Electronics *The Rochester Corporation*

Instrumentation and Control Cable Code: IM0060343PO01			
Date	Page	Revision	Part No.
01/10/2010	2	W	A302351