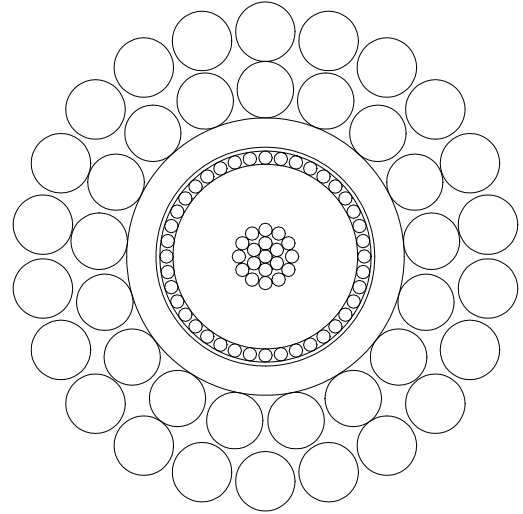


DATA LINE[®]

Description	Inch	mm
<u>ELEMENT A: Coax</u>		
Cdr: #16 AWG (1.23 mm ²) Cu	0.054	1.37
Ins: EPC	0.157	3.99
Rtrn: #13 AWG (2.59 mm ²) Cu	0.179	4.55
Tape: Copper Polyester	0.186	4.72
Belt: EPC	0.236	5.99
<u>ARMOR</u>		
Layer #1: 17/0.048" GEIPS	0.332	8.43
Layer #2: 22/0.0505" GEIPS	0.433	11.00



PROPRIETARY; Use Pursuant to Company Instructions

tyco | *Electronics* | **The Rochester Corporation**

Signal Transmission Cable Code: SC0010192CO00			
Date	Page	Revision	Part No.
11/16/2004	1	I	A303613

PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C

Metric

English

PHYSICAL

Weight in Air	468 kg/km	314 lb/kft
Weight in Seawater	388 kg/km	261 lb/kft
Operating Temperature	-20°C to 90°C	-5°F to 200°F

MECHANICAL

Breaking Strength	85 kN	19,100 lbf
Working Load @ 0.4% Strain	21.3 kN	4,800 lbf
Torque Ratio	1.7	1.7
Recommended Bend Radius	23 cm	9 in
Minimum Bend Radius ¹	15 cm	6 in

ELECTRICAL

Voltage Rating	1,500 V	1,500 V
dc Resistance		
cdr	14.8 Ω/km	4.5 Ω/kft
return	7.6 Ω/km	2.3 Ω/kft
loop	22.4 Ω/km	6.8 Ω/kft
Insulation Resistance		
cdr - return	16,000 MΩ•km	55,000 MΩ•kft
return - armor	4,000 MΩ•km	13,000 MΩ•kft
Capacitance	115 pF/m	35 pF/ft
Characteristic Impedance @ 1 MHz	45 Ω	45 Ω
Attenuation		
@ 0.5 MHz	7.9 dB/km	2.4 dB/kft
@ 1.0 MHz	11.5 dB/km	3.5 dB/kft

¹The 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