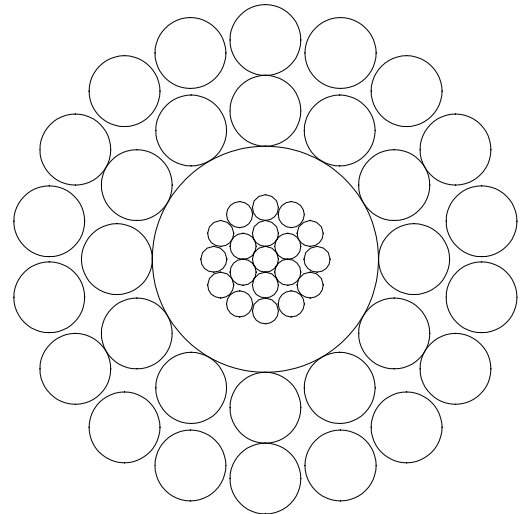


# DATA LINE®

Description	mm	Inch
<u>CONDUCTOR</u> #16 AWG, 19/0.0113" (0.29 mm) Nickel-Coated Copper	1.37	0.054
<u>INSULATION</u> 0.027" (0.69 mm) Wall Sintered PTFE Tape (multi-layered)	2.69	0.106
<u>ARMOR</u> : Special GIPS Wire Inner: 12/0.031" (0.79 mm) Outer: 18/0.031" (0.79 mm)	4.09 5.66	0.161 0.223



## CABLE CHARACTERISTICS (Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	5.66 mm	0.223 in
Weight in Air	142 kg/km	96 lb/kft
Weight in Freshwater	122 kg/km	82 lb/kft
Temperature Rating	316°C	600°F
<u>MECHANICAL</u>		
Breaking Strength	24.5 kN	5,500 lbf
Bend Diameter	30 cm	12 in
Elongation (approximate)	0.58 m/km/kN	2.6 ft/kft/klbf
<u>ELECTRICAL</u>		
Voltage Rating	1,200 V	1,200 V
Insulation Resistance @ 500 Vdc	15,000 MΩ•km	50,000 MΩ•kft
dc Resistance		
cdr	17.7 Ω/km	5.4 Ω/kft
armor	14.8 Ω/km	4.5 Ω/kft
Capacitance (cdr – armor)	184 pF/m	56 pF/ft
Velocity of Propagation @ 1 MHz	69%	69%

PROPRIETARY; Use Pursuant to Company Instructions

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

Rochester Stock Type 1-H-220M (Sintered PTFE Tape; 18/12 Armor)			
<b>Date</b>	<b>Page</b>	<b>Revision</b>	<b>Part No.</b>
10/09/2003	1	C	A219211