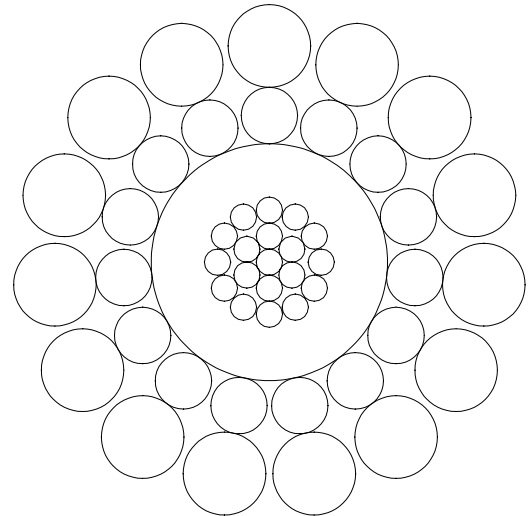


# DATA LINE®

Description	mm	Inch
<u>CONDUCTOR</u> #16 AWG, 19/0.0113" (0.29 mm) Bare Copper	1.37	0.054
<u>INSULATION</u> 0.0275" (0.70 mm) Wall EPC	2.77	0.109
<u>ARMOR</u> Special GEIPS Wire Inner: 15/0.0245" (0.62 mm) Outer: 15/0.036" (0.91 mm)	3.86 5.69	0.152 0.224



## CABLE CHARACTERISTICS

(Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	5.69 mm	0.224 in
Weight in Air	136 kg/km	91 lb/kft
Weight in Freshwater	115 kg/km	77 lb/kft
Temperature Rating, normal	135°C	275°F
intermittent	149°C	300°F
<u>MECHANICAL</u>		
Breaking Strength	24.9 kN	5,600 lbf
Bend Diameter	35 cm	14 in
Elongation (approximate)	0.63 m/km/kN	2.8 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	14.8 Ω/km	4.5 Ω/kft
armor	15.1 Ω/km	4.6 Ω/kft
Capacitance (cdr - armor)	180 pF/m	55 pF/ft
Velocity of Propagation @ 1 MHz	67%	67%

PROPRIETARY; Use Pursuant to Company Instructions

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

Rochester Stock Type 1-H-224A (15 X 15 Armor)			
<b>Date</b>	<b>Page</b>	<b>Revision</b>	<b>Part No.</b>
07/16/2004	1	H	A216223