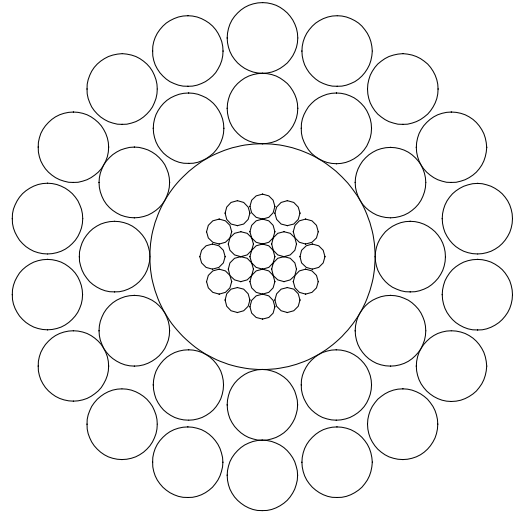


# DATA LINE<sup>®</sup>

Description	mm	Inch
<u>CONDUCTOR</u> #14 AWG, 19/0.0142" (0.36 mm) Bare Copper	1.73	0.068
<u>INSULATION</u> 0.0355" (0.90 mm) Wall EPC	3.53	0.139
<u>ARMOR</u> : Galv. HS Steel Inner: 12/0.040" (1.02 mm) Outer: 18/0.040" (1.02 mm)	5.28 7.32	0.208 0.288



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

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	7.32 mm	0.288 in
Weight in Air	228 kg/km	153 lb/kft
Weight in Freshwater	193 kg/km	130 lb/kft
Temperature Rating, normal	135°C	275°F
intermittent	149°C	300°F
<u>MECHANICAL</u>		
Breaking Strength	45.8 kN	10,300 lbf
Bend Diameter	41 cm	16 in
Elongation (approximate)	0.36 m/km/kN	1.6 ft/kft/klbf
<u>ELECTRICAL</u>		
Voltage Rating	1,500 V	1,500 V
Insulation Resistance @ 500 Vdc	15,000 MΩ•km	50,000 MΩ•kft
dc Resistance		
cdr	9.2 Ω/km	2.8 Ω/kft
armor	8.9 Ω/km	2.7 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-281A (18 x 12 Armor)			
<b>Date</b>	<b>Page</b>	<b>Revision</b>	<b>Part No.</b>
07/01/2004	1	F	A216281