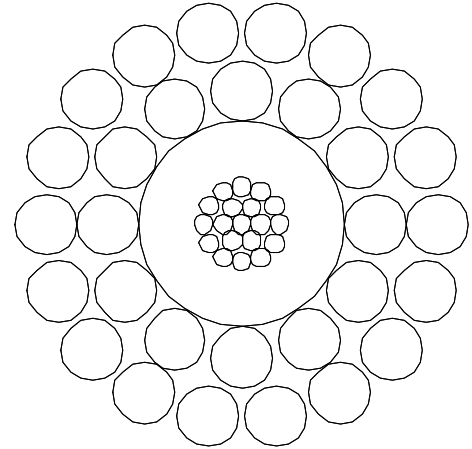


# DATA LINE<sup>®</sup>

Description	mm	Inch
<u>CONDUCTOR</u>	1.73	0.068
#14 AWG, 19/0.0142" (0.36mm) BC		
<u>INSULATION</u>	3.86	0.152
0.042" (1.07mm) Wall EPC		
<u>ARMOR</u> : Galv. HS Steel		
inner: 12/0.044" (1.12mm)	5.79	0.228
outer: 18/0.044" (1.12mm)	8.03	0.316



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

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	8.03 mm	0.316 in
Wt. in Air	272 kg/km	183 lb/kft
Wt. in Freshwater	226 kg/km	152 lb/kft
Temperature Rating, normal	135 °C	275 °F
intermittent	149 °C	300 °F
<u>MECHANICAL</u>		
Breaking Strength	55.2 kN	12,400 lbf
Bend Diameter	43 cm	17 in
Elongation (approx)	0.29 m/km/kN	1.3 ft/kft/klbf
<u>ELECTRICAL</u>		
Voltage Rating	1,800 V	1,800 V
Insulation Resistance @ 500 Vdc	15,000 MS@m	50,000 MS@ft
dc Resistance		
cdr	9.2 Ω/km	2.8 Ω/kft
armor	7.2 Ω/km	2.2 Ω/kft
Capacitance (cdr-armor)	154 pF/m	47 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-314A (Blocked)			
<b>Date</b>	<b>Page</b>	<b>Revision</b>	<b>Part No.</b>
05/18/2004	1	N	A216314