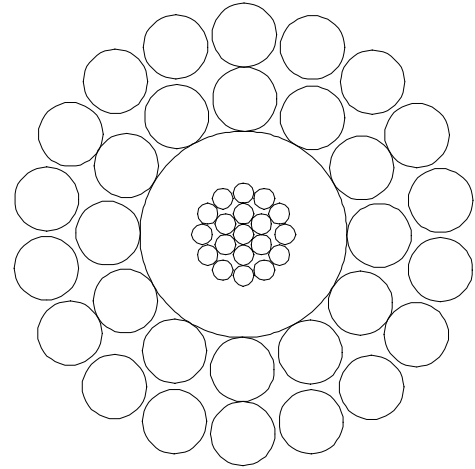


DATA LINE®

Description	mm	Inch
<u>CONDUCTOR</u> #14 AWG, 19/0.0142" (0.36 mm) Nickel-Coated Copper	1.73	0.068
<u>INSULATION</u> 0.0435" (1.10 mm) Wall Sintered PTFE Tape (multi-layered)	3.94	0.155
<u>ARMOR</u> : Galv. HS Steel Inner: 12/0.044" (1.12 mm) Outer: 18/0.044" (1.12 mm)	5.84 8.08	0.230 0.318



CABLE CHARACTERISTICS (Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	8.08 mm	0.318 in
Weight in Air	287 kg/km	193 lb/kft
Weight in Freshwater	246 kg/km	165 lb/kft
Temperature Rating	316°C	600°F
<u>MECHANICAL</u>		
Breaking Strength	55.2 kN	12,400 lbf
Bend Diameter	43 cm	17 in
Elongation (approximate)	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 MΩ•km	50,000 MΩ•kft
dc Resistance		
cdr	10.8 Ω/km	3.3 Ω/kft
armor	7.2 Ω/km	2.2 Ω/kft
Capacitance (cdr - armor)	138 pF/m	42 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-314M (Sintered PTFE Tape; 18 x 12 Armor)			
Date	Page	Revision	Part No.
04/23/2004	1	N	A219315