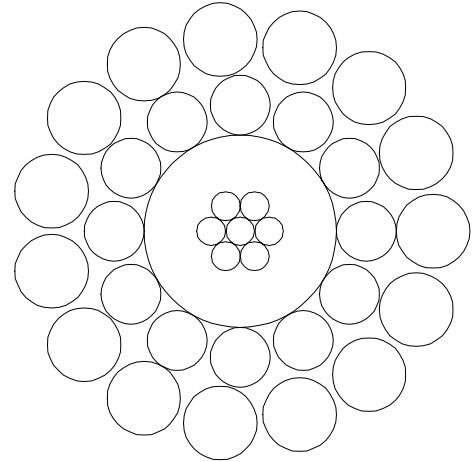


DATA LINE[®]

Description	mm	Inch
<u>CONDUCTOR</u> #20 AWG, 7/0.0126" (0.32mm) BC	0.97	0.038
<u>INSULATION</u> 0.023" (0.58 mm) Wall EPC	2.13	0.084
<u>ARMOR</u> : Spec. GIPS Wire inner: 12/0.024" (0.61 mm)	3.18	0.125
outer: 15/0.030" (0.76 mm)	4.70	0.185



CABLE CHARACTERISTICS (Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	4.70 mm	0.185 in
Wt. in Air	94 kg/km	64 lb/kft
Wt. in Freshwater	79 kg/km	53 lb/kft
Temperature Rating, normal	135 °C	275 °F
intermittent	149 °C	300 °F
<u>MECHANICAL</u>		
Breaking Strength	17.3 kN	3,900 lbf
Bend Diameter	30 cm	12 in
Elongation (approx)	0.90 m/km/kN	4.0 ft/kft/klbf
<u>ELECTRICAL</u>		
Voltage Rating	1,000 V	1,000 V
Insulation Resistance @ 500 Vdc	15,000 MΩ·km	50,000 MΩ·kft
dc Resistance		
cdr	32.2 Ω/km	9.8 Ω/kft
armor	21.0 Ω/km	6.4 Ω/kft
Capacitance (cdr-armor)	164 pF/m	50 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-181A (15 x 12 Armor)			
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07/07/2003	1	I	A216182