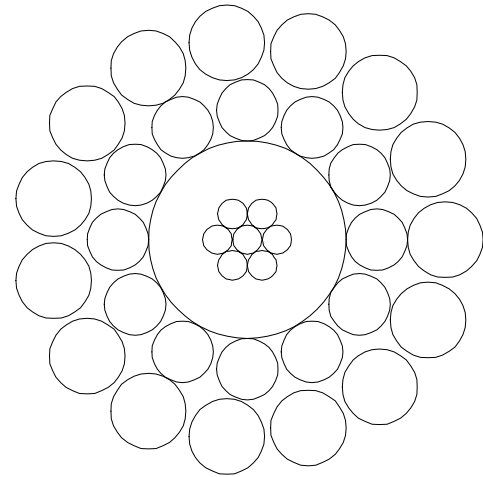


DATA LINE®

Description	mm	Inch
<u>CONDUCTOR</u> #20 AWG, 7/0.0126" (0.32mm) Bare Copper	0.97	0.038
<u>INSULATION</u> 0.023" (0.58 mm) Wall ETFE	2.13	0.084
<u>ARMOR</u> : Special GIPS Wire Inner: 12/0.024" (0.61 mm) Outer: 15/0.030" (0.76 mm)	3.18 4.70	0.125 0.185



CABLE CHARACTERISTICS (Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	4.70 mm	0.185 in
Weight in Air	97 kg/km	65 lb/kft
Weight in Freshwater	80 kg/km	54 lb/kft
Temperature Rating, normal	204°C	400°F
intermittent	216°C	420°F
<u>MECHANICAL</u>		
Breaking Strength	17.3 kN	3,900 lbf
Bend Diameter	30 cm	12 in
Elongation (approximate)	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)	180 pF/m	55 pF/ft
Velocity of Propagation @ 1 MHz	62%	62%

PROPRIETARY; Use Pursuant to Company Instructions

tyco / Electronics / **The Rochester Corporation**

Rochester Stock Type 1-H-181D (15 x 12 Armor)			
Date	Page	Revision	Part No.
06/05/2003	1	F	A216185