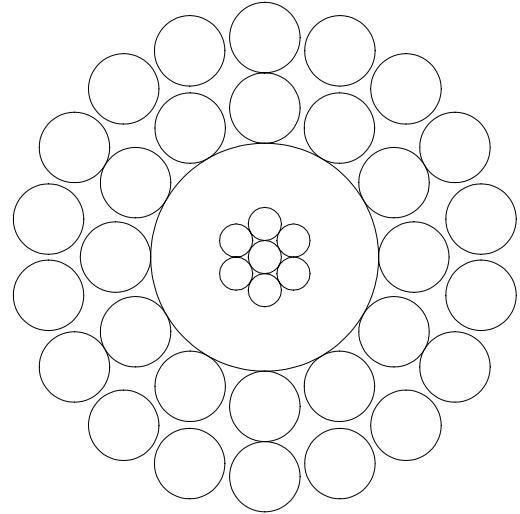


# DATA LINE®

Description	mm	Inch
<u>CONDUCTOR</u> #24 AWG, 7/0.008" (0.20 mm) Bare Copper	0.61	0.024
<u>INSULATION</u> 0.018" (0.46 mm) Wall EPC	1.52	0.060
<u>ARMOR: Special GIPS Wire</u> Inner: 12/0.017" (0.43 mm) Outer: 18/0.017" (0.43 mm)	2.26 3.12	0.089 0.123



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

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	3.12 mm	0.123 in
Weight in Air	40 kg/km	27 lb/kft
Weight in Freshwater	34 kg/km	23 lb/kft
Temperature Rating, normal	135°C	275°F
intermittent	149°C	300°F
<u>MECHANICAL</u>		
Breaking Strength	6.67 kN	1,500 lbf
Bend Diameter	18 cm	7 in
<u>ELECTRICAL</u>		
Voltage Rating	700 Vdc	700 Vdc
Insulation Resistance @ 500 Vdc	15,000 MΩ•km	50,000 MΩ•kft
dc Resistance		
cdr	83.0 Ω/km	25.3 Ω/kft
armor	49.5 Ω/km	15.1 Ω/kft
Capacitance (cdr - armor)	137 pF/m	42 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-125A (18 x 12 Armor)			
<b>Date</b>	<b>Page</b>	<b>Revision</b>	<b>Part No.</b>
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