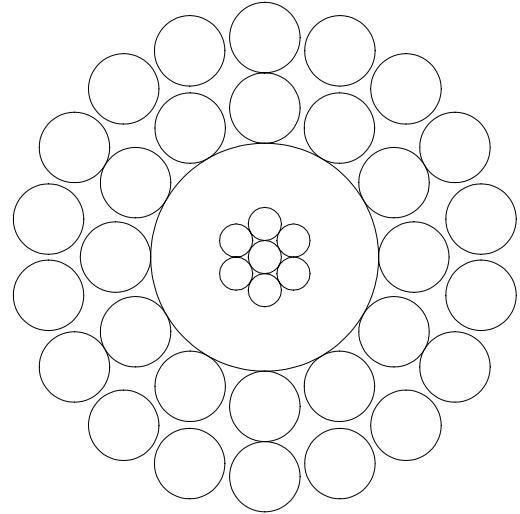


# DATA LINE<sup>®</sup>

Description	mm	Inch
<b>CONDUCTOR</b> #24 AWG, 7/0.008" (0.20 mm) Bare Copper	0.61	0.024
<b>INSULATION</b> 0.0185" (0.47 mm) Wall FEP	1.55	0.061
<b>ARMOR: Special GIPS Wire</b> 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
<b>PHYSICAL</b>		
Overall Dimensions	3.12 mm	0.123 in
Weight in Air	42 kg/km	29 lb/kft
Weight in Freshwater	36 kg/km	24 lb/kft
Temperature Rating, normal	246°C	475°F
intermittent	260°C	500°F
<b>MECHANICAL</b>		
Breaking Strength	6.67 kN	1,500 lbf
Bend Diameter	18 cm	7 in
<b>ELECTRICAL</b>		
Voltage Rating	700 V	700 V
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)	131 pF/m	40 pF/ft
Velocity of Propagation @ 1 MHz	70%	70%

PROPRIETARY; Use Pursuant to Company Instructions

**tyco** / Electronics / **The Rochester Corporation**

Rochester Stock Type 1-H-125K (18 x 12 Armor)			
<b>Date</b>	<b>Page</b>	<b>Revision</b>	<b>Part No.</b>
12/16/2003	1	E	A210126