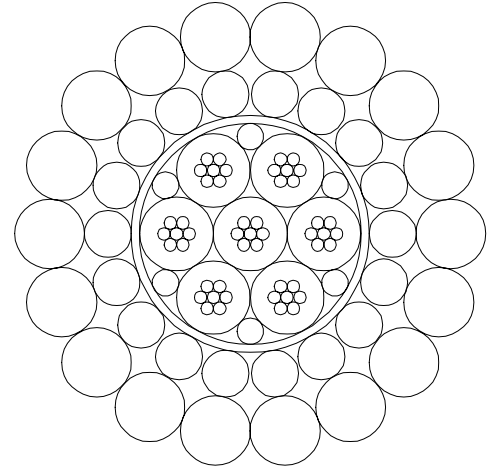


# DATA LINE®

Description	mm	Inch
<u>CONDUCTORS</u> (7) #24 AWG, 7/0.008" (0.20mm)BC	0.024	0.61
<u>INSULATION</u> (7) 0.0105" (0.27mm) Wall EPC	0.045	1.14
<u>CORE</u> 6 insulated cdrs around 1 with fillers as necessary. Protective tape over core.	0.133	3.38
<u>ARMOR</u> : Spec. GIPS Wire inner: 18/0.025" (0.64mm) outer: 18/0.0345" (0.88mm)	0.181 0.250	4.60 6.35



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

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	6.35 mm	0.250 in
Wt. in Air	161 kg/km	108 lb/kft
Wt. in Freshwater	131 kg/km	89 lb/kft
Temperature Rating, Normal	135 °C	275 °F
Intermittent	149 °C	300 °F
<u>MECHANICAL</u>		
Breaking Strength	25.8 kN	5,800 lbf
Bend Diameter	35 cm	14 in
Elongation	0.63 m/km/kN	2.8 ft/kft/klbf
<u>ELECTRICAL</u>		
Voltage Rating	500 Vdc	500 Vdc
Insulation Resistance @ 500 Vdc	15,000 MΩ·km	50,000 MΩ·kft
dc Resistance		
cdr	85.3 Ω/km	26.0 Ω/kft
armor	13.1 Ω/km	4.0 Ω/kft
Capacitance @ 1 kHz (cdr-armor)	131 pF/m	40 pF/ft
Velocity of Propagation @ 1 MHz	67%	67%

PROPRIETARY; Use Pursuant to Company Instructions

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

Rochester Stock Type 7-H-250A (18 X 18 Armor)			
<b>Date</b>	<b>Page</b>	<b>Revision</b>	<b>Part No.</b>
04/22/2003	1	L	A270250