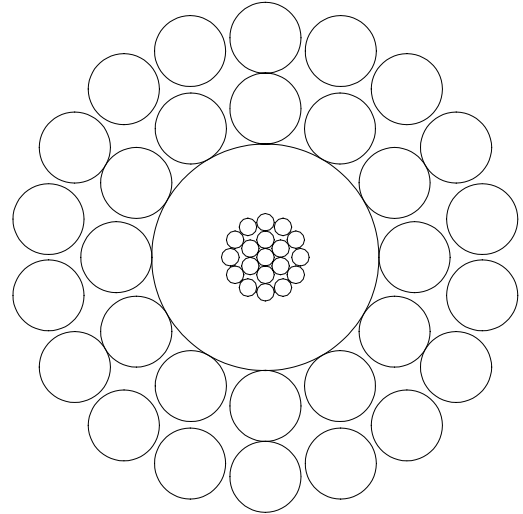


# DATA LINE<sup>®</sup>

Description	mm	Inch
<b>CONDUCTOR</b> #14 AWG, 19/0.0142" (0.36 mm) Bare Copper	1.73	0.068
<b>INSULATION</b> 0.0665" (1.69 mm) Wall FEP/ETFE	5.11	0.201
<b>ARMOR</b> : : Galv. HS Steel		
Inner: 12/0.0575" (1.46 mm)	7.59	0.299
Outer: 18/0.0575" (1.46 mm)	10.52	0.414



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

	Metric	English
<b>PHYSICAL</b>		
Overall Dimensions	10.52 mm	0.414 in
Weight in Air	473 kg/km	318 lb/kft
Weight in Freshwater	403 kg/km	270 lb/kft
Temperature Rating, normal	246°C	475°F
intermittent	260°C	500°F
<b>MECHANICAL</b>		
Breaking Strength	87.2 kN	19,600 lbf
Bend Diameter	59 cm	23 in
Elongation (approximate)	0.20 m/km/kN	0.9 ft/kft/klbf
<b>ELECTRICAL</b>		
Voltage Rating	2,000 Vdc	2,000 Vdc
Insulation Resistance @ 500 Vdc	15,000 MΩ•km	50,000 MΩ•kft
dc Resistance		
cdr	9.7 Ω/km	3.0 Ω/kft
armor	4.3 Ω/km	1.3 Ω/kft
Capacitance (cdr - armor)	131 pF/m	40 pF/ft
Velocity of Propagation @ 1 MHz	65%	65%

PROPRIETARY; Use Pursuant to Company Instructions

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

Rochester Stock Type 1-H-422K (18 x 12 HS armor)			
<b>Date</b>	<b>Page</b>	<b>Revision</b>	<b>Part No.</b>
04/01/2004	1		A216423