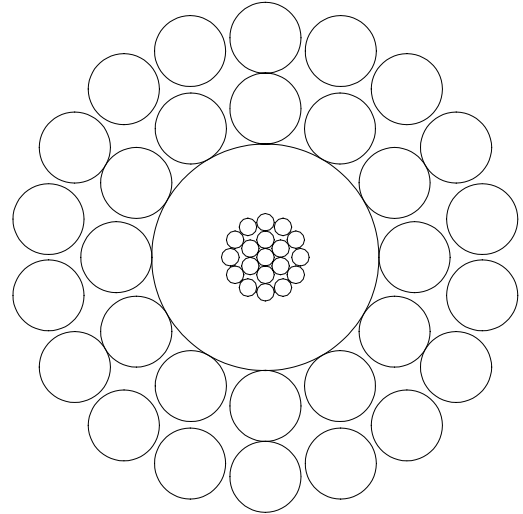


DATA LINE[®]

Description	mm	Inch
<u>CONDUCTOR</u> #14 AWG, 19/0.0142" (0.36 mm) Bare Copper	1.73	0.068
<u>INSULATION</u> 0.0665" (1.69 mm) Wall EPC	5.11	0.201
<u>ARMOR</u> : Special GIPS Wire 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
<u>PHYSICAL</u>		
Overall Dimensions	10.52 mm	0.414 in
Weight in Air	455 kg/km	306 lb/kft
Weight in Freshwater	384 kg/km	258 lb/kft
Temperature Rating, normal	135°C	275°F
intermittent	149°C	300°F
<u>MECHANICAL</u>		
Breaking Strength	81.8 kN	18,400 lbf
Bend Diameter	59 cm	23 in
Elongation (approximate)	0.20 m/km/kN	0.9 ft/kft/klbf
<u>ELECTRICAL</u>		
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)	115 pF/m	35 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-422A (18 x 12 Armor)			
Date	Page	Revision	Part No.
03/12/2004	1	J	A216417