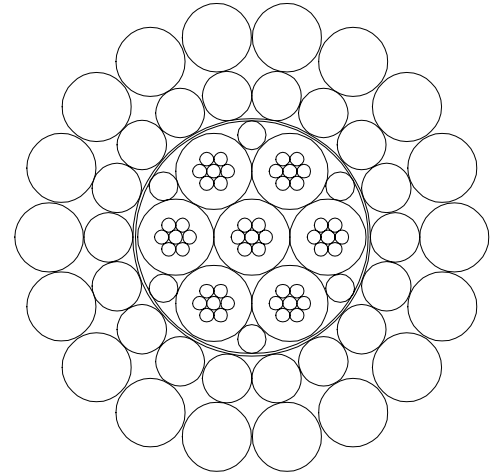


DATA LINE®

Description	mm	Inch
<u>CONDUCTORS</u> (7) #22 AWG, 7/0.010" (0.25 mm) Bare Copper	0.76	0.030
<u>INSULATION</u> 0.014" (0.36 mm) Wall EPC	1.47	0.058
<u>CORE</u> 6 insulated cdrs around 1 with fillers as necessary. Voids filled with free-stripping semi-conductive material. Semi-conductive tape over core.	4.39	0.173
<u>ARMOR</u> : Special GEIPS Wire		
Inner: 18/0.0325" (0.83 mm)	6.05	0.238
Outer: 18/0.044" (1.12 mm)	8.28	0.326



CABLE CHARACTERISTICS (Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	8.28 mm	0.326 in
Weight in Air	272 kg/km	183 lb/kft
Weight in Freshwater	228 kg/km	153 lb/kft
Temperature Rating, normal	135°C	275°F
intermittent	149°C	300°F
<u>MECHANICAL</u>		
Breaking Strength	48.9 kN	11,000 lbf
Bend Diameter	43 cm	17 in
Elongation (approximate)	0.43 m/km/kN	1.9 ft/kft/klbf
<u>ELECTRICAL</u>		
Voltage Rating	600 Vdc	600 Vdc
Insulation Resistance @ 500 Vdc	15,000 MΩ•km	50,000 MΩ•kft
dc Resistance		
cdr	54.5 Ω/km	16.6 Ω/kft
armor	8.2 Ω/km	2.5 Ω/kft
Capacitance (cdr - armor)	190 pF/m	58 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-314A (18 x 18 High Strength Armor)			
Date	Page	Revision	Part No.
05/24/2004	1	I	A279319