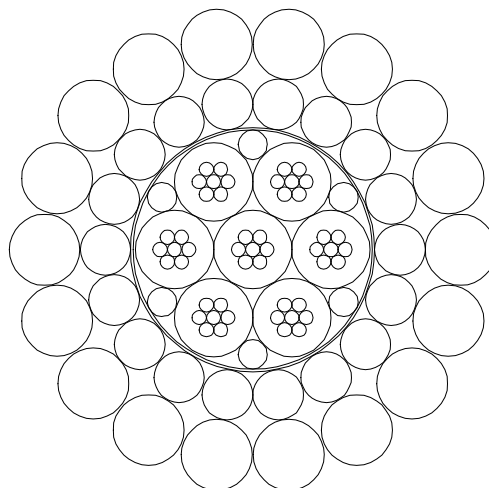


DATALINE®

Description	mm	Inch
<u>CONDUCTORS (7)</u> #20 AWG, 7/0.0121" (0.31 mm) Bare Copper	0.91	0.036
<u>INSULATION</u> 0.016" (0.41 mm) Wall EPC	1.73	0.068
<u>CORE</u> 6 insulated cdrs around 1 with fillers as necessary. Voids filled with free-stripping semiconductive material. Semiconductive tape over core.	5.05	0.199
<u>ARMOR: Special GIPS Wire</u> Inner: 18/0.0375" (0.95 mm) Outer: 18/0.052" (1.32 mm)	6.96 9.60	0.274 0.378



CABLE CHARACTERISTICS (Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	9.60 mm	0.378 in
Weight in Air	370 kg/km	249 lb/kft
Weight in Freshwater	310 kg/km	208 lb/kft
Temperature Rating, normal	135°C	275°F
intermittent	149°C	300°F
<u>MECHANICAL</u>		
Breaking Strength	57.8 kN	13,000 lbf
Bend Diameter	53 cm	21 in
Elongation (approximate)	0.31 m/km/kN	1.4 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	36.8 Ω/km	11.2 Ω/kft
armor	5.8 Ω/km	1.8 Ω/kft
Capacitance (cdr-armor)	197 pF/m	60 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-375A
(18 x 18 Armor)

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