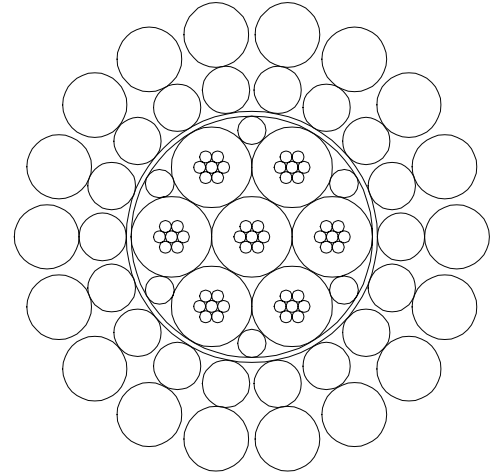


DATA LINE®

Description	mm	Inch
<u>CONDUCTORS (7)</u> #20 AWG, 7/0.0126" (0.32 mm) Bare Copper	0.97	0.038
<u>INSULATION</u> 0.0235" (0.60 mm) Wall EPC	2.16	0.085
<u>CORE</u> 6 insulated cdrs around 1 with fillers as necessary. Voids filled with free-stripping semiconductive material. Semiconductive tape over core.	6.30	0.248
<u>ARMOR: Galv. HS Steel</u> Inner: 18/0.047" (1.19 mm)	8.69	0.342
Outer: 18/0.065" (1.65 mm)	11.99	0.472



CABLE CHARACTERISTICS

(Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	11.99 mm	0.472 in
Weight in Air	561 kg/km	377 lb/kft
Weight in Freshwater	460 kg/km	309 lb/kft
Temperature Rating, normal	135°C	275°F
intermittent	149°C	300°F
<u>MECHANICAL</u>		
Breaking Strength	109 kN	24,500 lbf
Bend Diameter	66 cm	26 in
Elongation (approximate)	0.18 m/km/kN	0.8 ft/kft/klbf
<u>ELECTRICAL</u>		
Voltage Rating	1,200 Vdc	1,200 Vdc
Insulation Resistance @ 500 Vdc	15,000 MΩ•km	50,000 MΩ•kft
dc Resistance		
conductor	32.8 Ω/km	10.0 Ω/kft
armor	3.6 Ω/km	1.1 Ω/kft
Capacitance (cdr – armor)	154 pF/m	47 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-472A
(18 X 18 Armor)

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