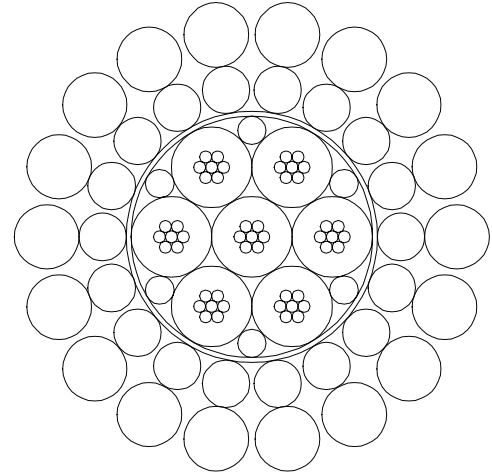


DATA LINE®

Description	mm	Inch
<u>CONDUCTORS</u> (7) #20 AWG, 7/0.0121" (0.31 mm) Bare Copper	0.91	0.036
<u>INSULATION</u> 0.020" (0.51 mm) Wall EPC	1.93	0.076
<u>CORE</u> 6 insulated cdrs around 1 with fillers as necessary. Voids filled with free-stripping semiconductive material. Semiconductive tape over core.	5.66	0.223
<u>ARMOR</u> : Special GIPS Wire		
Inner: 18/0.0425 (1.08 mm)	7.82	0.308
Outer: 18/0.059" (1.50 mm)	10.82	0.426



CABLE CHARACTERISTICS

(Nominal Values @ 20°C)

PHYSICAL

Overall Dimensions
Weight in Air
Weight in Freshwater
Temperature Rating, normal
intermittent

Metric

English

10.82 mm
467 kg/km
384 kg/km
135°C
149°C

0.426 in
314 lb/kft
258 lb/kft
275°F
300°F

MECHANICAL

Breaking Strength
Bend Diameter
Elongation (approximate)

81.4 kN
58 cm
0.20 m/km/kN

18,300 lbf
23 in
0.9 ft/kft/klbf

ELECTRICAL

Voltage Rating
Insulation Resistance @ 500 Vdc
dc Resistance
conductor
armor
Capacitance (cdr – armor)
Velocity of Propagation @ 1 MHz

1,000 Vdc
15,000 MΩ•km
36.8 Ω/km
4.6 Ω/km
187 pF/m
67%

1,000 Vdc
50,000 MΩ•kft
11.2 Ω/kft
1.4 Ω/kft
57 pF/ft
67%

PROPRIETARY; Use Pursuant to Company Instructions

tyco / Electronics / **The Rochester Corporation**

Rochester Stock Type 7-H-422A
(18 X 18 Armor)

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