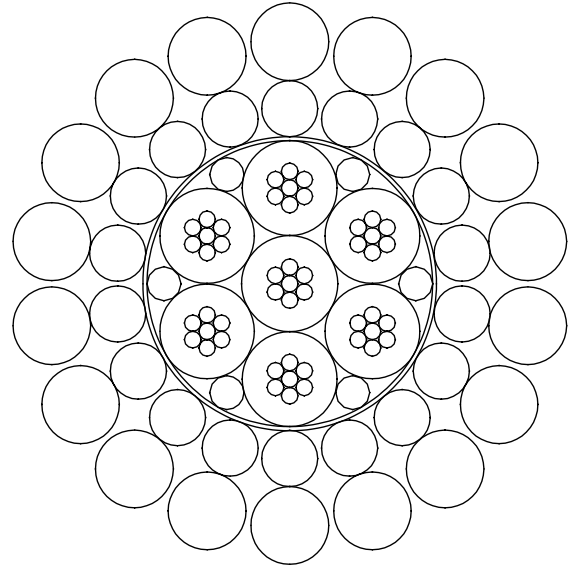


# DATA LINE®

Description	mm	Inch
<u>CONDUCTORS</u> (7) #20 AWG, 7/0.0126" (0.32 mm) Bare Copper	0.97	0.038
<u>INSULATION</u> - Dual Pass 0.0195" (0.50 mm) Wall FEP/ETFE	1.96	0.077
<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) Outer: 18/0.059" (1.50 mm)	7.82 10.82	0.308 0.426



## CABLE CHARACTERISTICS (Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	10.82 mm	0.426 in
Weight in Air	485 kg/km	326 lb/kft
Weight in Freshwater	402 kg/km	270 lb/kft
Temperature Rating, normal	246°C	475°F
Intermittent	260°C	500°F
<u>MECHANICAL</u>		
Breaking Strength	81.4 kN	18,300 lbf
Bend Diameter	58 cm	23 in
Elongation (approximate)	0.20 m/km/kN	0.9 ft/kft/klbf
<u>ELECTRICAL</u>		
Voltage Rating	1,000 Vdc	1,000 Vdc
Insulation Resistance @ 500 Vdc	15,000 MΩ•km	50,000 MΩ•kft
dc Resistance		
cdr	32.8 Ω/km	10.0 Ω/kft
armor	4.6 Ω/km	1.4 Ω/kft
Capacitance (cdr – armor)	187 pF/m	57 pF/ft
Velocity of Propagation @ 1 MHz	65%	65%

PROPRIETARY; Use Pursuant to Company Instructions

**tyco** / Electronics / **The Rochester Corporation**

Rochester Stock Type 7-H-422K (FEP/ETFE Insulation)			
<b>Date</b>	<b>Page</b>	<b>Revision</b>	<b>Part No.</b>
05/13/2004	1	I	A276428