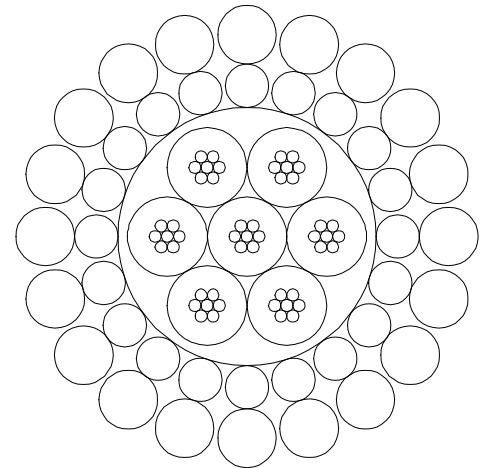


DATA LINE[®]

Description	mm	Inch
<u>CONDUCTORS (7)</u> #20 AWG, 7/0.0126" (0.32 mm) Bare Copper	0.97	0.038
<u>INSULATION</u> – Dual Pass 0.0235" (0.60 mm) Wall FEP/ETFE	2.16	0.085
<u>CORE</u> 6 insulated cdrs around 1	6.45	0.254
<u>BELT</u> 0.010" (0.25 mm) Wall ETFE	6.96	0.274
<u>ARMOR: Special GEEIPS</u> Inner: 20/0.046" (1.17 mm) Outer: 20/0.062" (1.58 mm)	9.30 12.45	0.366 0.490



CABLE CHARACTERISTICS (Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	12.45 mm	0.490 in
Weight in Air	616 kg/km	414 lb/kft
Weight in Freshwater	513 kg/km	345 lb/kft
Temperature Rating, normal	246°C	475°F
intermittent	260°C	500°F
<u>MECHANICAL</u>		
Breaking Strength	118 kN	26,500 lbf
Bend Diameter	69 cm	27 in
Elongation (approximate)	0.14 m/km/kN	0.6 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		
cdr	34.1 Ω/km	10.4 Ω/kft
armor	3.4 Ω/km	1.0 Ω/kft
Capacitance (cdr - armor)	105 pF/m	32 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-490K
(HIGH STRENGTH ARMOR)

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