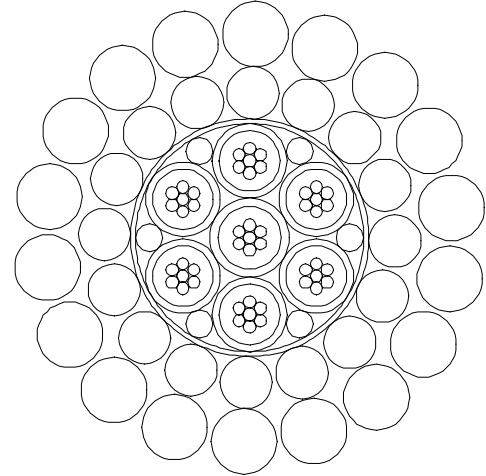


DATA LINE®

Description	mm	Inch
CONDUCTORS (7) #20 AWG, 7/0.0126" (0.32 mm) Bare Copper	0.97	0.038
INSULATION – Dual Pass 0.0235" (0.60 mm) Wall FEP/ETFE	2.16	0.085
CORE 6 insulated cdrs around 1 with fillers as necessary. Voids filled with free-stripping semiconductive material. Semiconductive tape over core.	6.17	0.243
ARMOR: Special GEEIPS		
Inner: 16/0.0535" (1.36 mm)	8.89	0.350
Outer: 18/0.067" (1.70 mm)	12.29	0.484



CABLE CHARACTERISTICS

(Nominal Values @ 20°C)

	Metric	English
PHYSICAL		
Overall Dimensions	12.29 mm	0.484 in
Weight in Air	625 kg/km	420 lb/kft
Weight in Freshwater	524 kg/km	352 lb/kft
Temperature Rating, normal	246°C	475°F
intermittent	260°C	500°F
MECHANICAL		
Breaking Strength	123 kN	27,600 lbf
Bend Diameter	69 cm	27 in
Elongation (approximate)	0.14 m/km/kN	0.6 ft/kft/klbf
ELECTRICAL		
Voltage Rating	1,200 Vdc	1,200 Vdc
Insulation Resistance @ 500 Vdc	15,000 MΩ•km	50,000 MΩ•kft
dc Resistance		
conductor	34.1 Ω/km	10.4 Ω/kft
armor	3.4 Ω/km	1.0 Ω/kft
Capacitance (cdr – armor)	148 pF/m	45 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-484K (HIGH STRENGTH ARMOR) Formerly 05140			
Date	Page	Revision	Part No.
05/10/2004	1	H	A276484