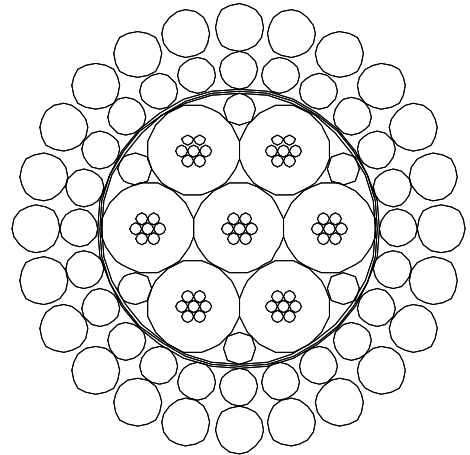


DATA LINE[®]

Description	mm	Inch
<u>CONDUCTORS (7)</u> #20 AWG, 7/0.0126" (0.32 mm) Bare Copper	0.97	0.038
<u>INSULATION</u> 0.029" (0.74 mm) Wall EPC	2.44	0.096
<u>CORE</u> 6 insulated cdrs around 1 with fillers as necessary. Voids filled with free-stripping semiconductive material. Semiconductive tape over core.	7.24	0.285
<u>ARMOR: Special Galv. HS Steel</u>		
Inner: 24/0.039" (0.99 mm)	9.22	0.363
Outer: 24/0.0495" (1.26 mm)	11.73	0.462



CABLE CHARACTERISTICS (Nominal Values @ 20°C)

	Metric	English
<u>PHYSICAL</u>		
Overall Dimensions	11.73 mm	0.462 in
Weight in Air	484 kg/km	325 lb/kft
Weight in Freshwater	388 kg/km	261 lb/kft
Temperature Rating, normal	135°C	275°F
intermittent	149°C	300°F
<u>MECHANICAL</u>		
Breaking Strength	81.4 kN	18,300 lbf
Bend Diameter	51 cm	20 in
Elongation (approximate)	0.20 m/km/kN	0.9 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	4.6 Ω/km	1.4 Ω/kft
Capacitance (cdr – armor)	141 pF/m	43 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-464A (24 X 24 Armor)			
Date	Page	Revision	Part No.
05/04/2004	1	W	A276463