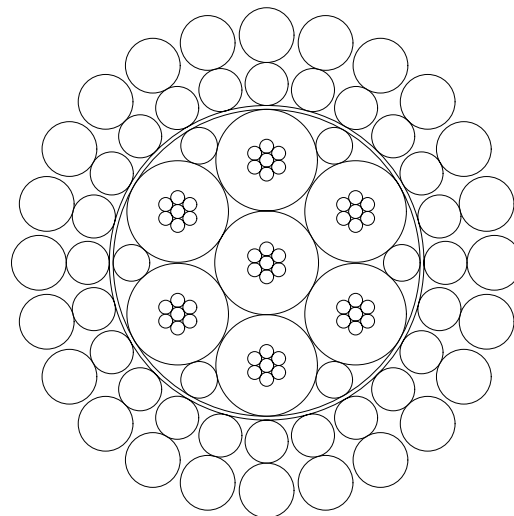


DATA LINE[®]

Description	mm	Inch
<u>CONDUCTORS</u> (7) #20 AWG, 7/0.0126" (0.32 mm) Nickel-Plated Copper	0.97	0.038
<u>INSULATION</u> - Dual Pass 0.030" (0.76 mm) Wall FEP/ETFE	2.49	0.098
<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</u> : UNS S31277 (27-7 Mo)		
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	523 kg/km	352 lb/kft
Weight in Freshwater	429 kg/km	289 lb/kft
Temperature Rating, normal	246°C	475°F
intermittent	260°C	500°F
<u>MECHANICAL</u>		
Breaking Strength	70.3 kN	15,800 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	38.1 Ω/km	11.6 Ω/kft
armor	22.3 Ω/km	6.8 Ω/kft
Capacitance (cdr - armor)	131 pF/m	40 pF/ft
Velocity of Propagation @ 1 MHz	65%	65%