751 Old Brandy Road
Culpeper, Virginia 22701

Tele: 540 825-2111
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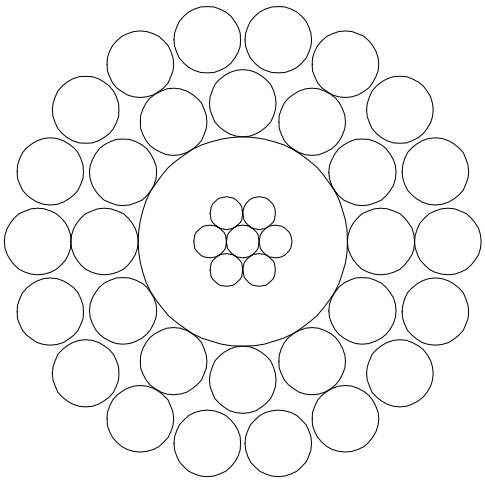
DATALINE®

Description	mm	Inch
CONDUCTOR #18 AWG, 7/0.0152" (0.39 mm) Nickel-Plated Copper	1.17	0.046
INSULATION - Dual Pass 0.030" (0.76 mm) Wall PFA/ETFE	2.69	0.106
ARMOR: Corrosion & Sour Gas Resistant MP-35N Alloy		
Inner: 12/0.0307" (0.78 mm)	4.09	0.161
Outer: 18/0.0307" (0.78 mm)	5.64	0.222



CABLE CHARACTERISTICS
(Nominal Values @ 20°C)

	Metric	English
PHYSICAL		
Overall Dimensions	5.64 mm	0.222 in
Weight in Air	147 kg/km	99 lb/kft
Weight in Freshwater	125 kg/km	84 lb/kft
Temperature Rating, normal	246°C	475°F
intermittent	260°C	500°F
armor in corrosive environment	232°C	450°F
MECHANICAL		
Breaking Strength	22.2 kN	5,000 lbf
Bend Diameter	30 cm	12 in
Elongation (approximate)	0.58 m/km/kN	2.6 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 cdr	25.3 Ω/km	7.7 Ω/kft
armor	76.8 Ω/km	23.4 Ω/kft
Capacitance	148 pF/m	45 pF/ft
Velocity of Propagation @ 1 MHz	65%	65%

PROPRIETARY; Use Pursuant to Company Instructions

tyco / Electronics / The Rochester Corporation

Rochester Stock Type 1-H-226K
(with MP-35 ARMOR)

Date	Page	Revision	Part No.
04/11/2003	1	M	A216226