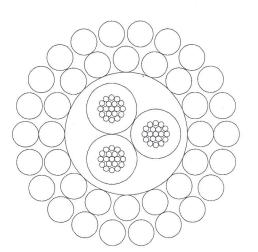
751 Old Brandy Road Culpeper, Virginia 22701 Tele: 540 825-2111 Fax: 540 825-2238

DATALINE®

Description		32.000 579m
	Inch	mm
INSULATED CONDUCTOR (3) Cdr: #19 AWG (19/0.008")Bare Cu Ins: .016" wall Polypropylene	0.039 0.071	0.99 1.80
ASSEMBLY 3 ins. cdrs. cabled	0.153	3.89
BELT 0.015" wall HD Polyethylene	0.183	4.65
<u>ARMOR</u> - 2 layers 16/0.0375" GEIPS 22/0.0375" GEIPS	0.247 0.322	6.27 8.18



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PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C	Metric	English	
PHYSICAL			
Weight in Air Weight in Seawater Specific Gravity (SG = 1.028)	260 kg/km 215 kg/km 6.0	175 lb/kft 144 lb/kft ~ 6.0	4731b5/km
MECHANICAL			
Breaking Strength, Fixed End Breaking Strength, Free End Working Load @.4% Strain	52 kN 45 kN 11 kN	11,600 lbf 10,000 lbf 2,500 lbf	
Maximum Working Load ¹	22.2	5,000 lbf	
Recommended Bend Radius Rotation @ 2,500 lbf	15 cm 49°/m	6" 15°/ft	
ELECTRICAL			
Voltage Rating Insulation Resistance dc Resistance	1,000 V 3,000 MΩ∙km	1,000 V 10,000 MΩ∙kft	
Cdr. Armor Capacitance (cdrarmor)	30.8 Ω /km 7.9 Ω /km 115 pF/m	9.4 Ω/kft 2.4 Ω/kft 35 pF/ft	

¹"The cable working load as stated on the DATALINE (2,500 lbf) represents the maximum quasi-static load of the operational system that will be supported by the cable. Transient dynamic loads may be applied to the cable providing that the maximum dynamic load applied remains below 5,000 lbf and its period is smooth and gradual, greater than several seconds. Caution must be taken with rapid fluctuations in the loading condition that will result in conductor buckling (compression, otherwise known as "z" kinking). These rapid load variations include, but are not limited to, shock loading, the rapid and erratic removal and increasing of load. This load transient has a period less then a few seconds and can result in cable buckling and/or hockling. Extended excursions above the working load value may affect service life and increases the risk of component buckling."

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