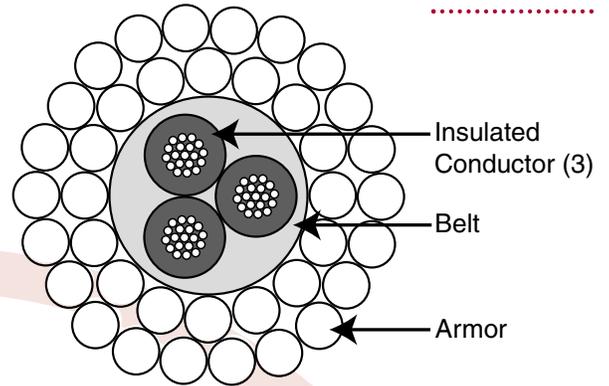


# VIDEO INSPECTION CABLE

**A301592**

Cable Construction		
		inch
Insulated Conductor (3)	CDR: 19 AWG 19/.008" Bare Copper	.039
	INSULATION: .016" Wall Polypropylene	.071
Assembly	3 ins. conds. cabled	.153
Belt	.015" Wall HD Polyethylene	.183
Armor 2 layers	16/.0375" GEIPS	.247
	22/.0375" GEIPS	.322



## Cable Characteristics (Nominal Values @ 20°C)

Physical		
	metric	english
Weight in Air	260 kg/km	175 lb/kft
Weight in Seawater	215 kg/km	144 lb/kft
Specific Gravity (SG - 1.028)	6.0	6.0

Mechanical		
	metric	english
Breaking Strength Fixed End	52 kN	11,600 lbf
Breaking Strength Free End	45 kN	10,000 lbf
Working Load @ .4% Strain	11 kN	2,500 lbf
Maximum Working Load <sup>1</sup>	22.2	5,000 lbf
Recommended Bend Radius	15 cm	6"
Rotation @ 2,500 lbf	49°/m	15°/ft

Electrical		
	metric	english
Voltage Rating	1,000 V	1,000 V
Insulation Resistance	3,000 MΩ-km	10,000 MΩ-kft
dc Resistance	conductor	30.8 Ω/km
	armor	7.9 Ω/km
Capacitance (cond. - armor)	115 pF	35 pF/ft

<sup>1</sup>The cable working load as stated (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 than a few seconds and can result in cable buckling and/or hocking. Extended excursions above the working load value may affect service life and increases the risk of component buckling."