



PHYSICAL DIMENSIONS
500 Series Copper Clad

Component	Inches	Inches
Nominal center conductor diameter	0.109	2.77
Nominal Diameter Over Dielectric	0.450	11.43
Nominal Diameter Over First Shield (tape)	0.500	12.70
Nominal Outer Conductor Thickness	0.025	0.64
Jacket Version		
Nominal Diameter Over Jacket	0.560	14.22
Nominal Jacket Wall Thickness	0.030	0.76
Underground Diameter Over Jacket		
Nominal Diameter Over Jacket	0.570	14.48
Armored Version		
Nominal Diameter Over Corrugate Armor	0.635	16.13
Nominal Shield Thickness	0.008	0.20
Nominal Diameter Over Outer Jacket	0.715	18.16
Nominal Diameter of Outer Jacket	0.040	1.02
Messenger Version		
Diameter of Steel Messenger	0.109	2.77

MECHANICAL CHARACTERISTICS

Minimum Bending Radius	Standard	Bonded
(No Jacket)	6.5in / 16.25cm	4.0in / 10.2cm
(Jacket)	6.0in / 15.2cm	3.5in / 8.9cm
(Armored)	8.5in / 21.6cm	6.0in / 15.2cm

ELECTRICAL CHARACTERISTICS

Capacitance	15.3pf/ft
Impedance	75Ohms
Velocity of Propagation	85%

Frequency (MHZ)	Maximum (dB/100ft)	Maximum (dB/ 100m)
5	0.38	1.25
55	0.97	3.18
83	1.18	3.87
187	1.75	5.74
211	1.81	5.93
250	1.95	6.39
300	2.15	7.05
350	2.32	7.61
400	2.47	8.10
450	2.65	8.69
500	2.85	9.34
550	2.94	9.64
600	3.10	10.16
750	3.50	11.48
865	3.95	12.95
1000	4.23	13.87



STANDARD CONSTRUCTION
RG6 Series Drop Cable Specification

18 gauge [0.040in. (1.02mm)] copper covered steel conductor; gas expanded polyethylene dielectric; inner shield aluminum-polypropylene aluminum laminated with overlap bonded to dielectric; outer shield of 34 AWG bare aluminum braid wire; jacket of black polyvinyl chloride of polyethylene (flooded). Nominal O.D.0.272 in. (6.91mm).

PHYSICAL DIMENSIONS

Component	Standard Shield		Tri-Shield		Super Shield	
	Inches	Mm	Inches	mm	Inches	mm
Nominal center conductor diameter	0.040	1.02	0.040	1.02	0.040	1.02
Nominal Diameter Over Dielectric	0.180	4.57	0.180	4.57	0.180	4.57
Nominal Diameter Over First Shield (tape)	0.187	4.57	0.187	4.57	0.187	4.57
Nominal Diameter Over Jacket	0.272	6.91	0.278	7.06	0.300	7.62
Nominal Jacket Wall Thickness	0.030	0.76	0.030	0.76	0.034	0.86
Nominal Diameter of Steel Messenger	0.051(single)	1.30	0.051(single)	1.30	0.051(single)	1.30
	0.072(dual)	1.83	0.072(dual)	1.83	0.072(dual)	1.83

ELECTRICAL CHARACTERISTICS

Nominal Impedance	75Ohms
Nominal Velocity of Propagation	82%
Nominal Capacitance	16.2PF/ft

BRIGHT WIRE

Bright Wire™ is a dry, anti-corrosive treatment that chemically combined with metal components to form a protective shield against water and subsequent corrosion. (Exceeds the SCTE requirement for corrosion resistant cable.)

Frequency (MHZ)	Maximum (dB/100ft)	Maximum (dB/ 100m)
5	0.67	2.20
55	1.60	5.25
211	2.87	9.41
250	3.10	10.16
300	3.43	11.25
350	3.72	12.20
400	4.00	13.11
450	4.26	13.97
500	4.55	14.92
550	4.71	15.44
600	5.05	16.56
750	5.59	18.33
865	5.95	19.51
1000	6.54	21.44



Standard Shield



Tri Shield



Super-Shield(Quad)



Messengered



Dual



Dual Messedgered

