

Hangzhou Sanyuan Cable Co.,Ltd

540 SERIES

Physical Dimensions

Component	Inches	mm
Nominal Center Conductor Diameter	0.124	3.15
Nominal Diameter Over Dielectric	0.514	13.03
Nominal Diameter Over Outer Conductor	0.540	13.72
Nominal Outer Conductor Thickness	0.0135	0.343
Nominal Diameter Over Jacket	0.610	15.49
Nominal Jacket Wall Thickness	0.035	0.89
Messenger Versions		
Diameter of Steel Messenger	0.109	2.77

Mechanical Characteristics

Minimum Bending Radius (Jacketed)	4.0 in.	10.2 cm
Maximum Pulling Tension	220 lbs.	100 kgf
Minimum Breaking Strength Of Messenger	1800 lbs.	816 kgf

Electrical Characteristics

Capacitance	15.3 pf/ft	50 nf/km
Impedance	75 ohms	
Velocity of Propagation	88%	
Shielding Effectiveness	>100dB	

Attenuation [@ 68°F. (20°C)]

Frequency (MHz)	(dB/100ft.)	(dB/100m)
5	0.14	0.46
55	0.47	1.54
211	0.95	3.12
250	1.03	3.38
270	1.07	3.51
300	1.13	3.71
325	1.18	3.87
350	1.23	4.03
400	1.32	4.33
450	1.40	4.59
500	1.49	4.89
550	1.56	5.12
600	1.64	5.38
750	1.85	6.07
865	2.00	6.56
1000	2.17	7.12

Standard Construction

0.124 in.(3.15mm) copper clad aluminum
center conductor; gas expanded polyethylene dielectric; continuous aluminum outer conductor; flame retardant polyethylene (PE) jacket. Nominal O.D. 0.610 in. (15.49mm).