

Hangzhou Sanyuan Cable Co.,Ltd

412 SERIES

Physical Dimensions

Component	Inches	mm
Nominal Center Conductor Diameter	0.089	2.26
Nominal Diameter Over Dielectric	0.362	9.19
Nominal Diameter Over Outer Conductor	0.412	10.46
Nominal Outer Conductor Thickness	0.025	0.64
Nominal Diameter Over Jacket	0.475	11.99
Nominal Jacket Wall Thickness	0.0315	0.76
Messenger Versions		
Diameter of Steel Messenger	0.109	2.77

Mechanical Characteristics

Minimum Bending Radius (Jacketed)	6.0 in.	15.2 cm
Maximum Pulling Tension	150 lbs.	68 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	87%	
Shielding Effectiveness	>100dB	

Attenuation [@ 68°F. (20°C)]

Frequency (MHz)	(dB/100ft.)	(dB/100m)
5	0.20	0.65
55	0.69	2.26
211	1.41	4.62
250	1.54	5.05
270	1.61	5.28
300	1.70	5.57
325	1.77	5.81
350	1.87	6.13
400	1.97	6.46
450	2.11	6.92
500	2.24	7.34
550	2.35	7.71
600	2.47	8.10
750	2.78	9.12
865	3.01	9.87
1000	3.27	10.73

Standard Construction

0.089 in.(2.26mm) copper clad aluminum or copper center conductor; gas expanded polyethylene dielectric; continuous aluminum outer conductor; flame retardant polyethylene (PE) jacket. Nominal O.D. 0.475 in. (11.99mm).