

540 Type



SYSTEM INDUSTRIAL TECHNOLOGY TELECOMMUNICATIONS



Physical Dimensions

Component	540 with braid mm	540 with Longitude Al Foil mm
Center Conductor	3.15	3.15
Dielectric	13.00	13.00
Outer Conductor	13.87	13.75
Outer Conductor Thickness	--	--
Jacket	15.90	15.90
Messenger	2.77	2.77

Mechanical Characteristics

Minimum Bending Radius(Jacket)		24cm	32cm
Minimum Breaking Strength of Messenger	single	166kgf	
	dual	816kgf	
Dielectric Adhesion		>20N/5cm	

Electrical Characteristics

Capacitance		50±3.0 nf/km	
Impedance		75±2.5 ohms	
Velocity of Propagation		87%	
Shielding Effectiveness	55MHz	≥60dB	≥85dB
	300MHz	≥70dB	≥90dB
	1000MHz	≥70dB	≥90dB
Return Loss (100% swept)	1~470MHz	≥22dB	≥20dB
	470~1000MHz	≥20dB	≥18dB

Attenuation (20°C)

Frequency(MHz)	Maximum(dB/100m)
5	0.46
55	1.54
211	3.12
250	3.38
270	3.51
300	3.71
325	3.87
350	4.03
400	4.33
450	4.59
500	4.89
550	5.12
600	5.38
750	6.07
865	6.56
1000	7.12