

Lineup of 50 ohm Miniature High Frequency Coaxial Cable [2012.7.2]

Cable size		AWG#30 (7/0.102)	AWG#32 (7/0.08)	AWG#33 (7/0.071)	AWG#36 (7/0.05)		New! AWG#38 (7/0.04)
Diameter		1.37mm	1.13mm	1.00mm	0.81mm	0.64mm	0.50mm
Shield	Type	Braid				Wrap	
	Material	Tinned annealed copper					
	Strand	Φ 0.05mm					
Characteristic Impedance		50±2 Ω	50±2 Ω	50±2 Ω	50±2 Ω	50±2 Ω	50±3 Ω
Capacitance (at 1KHz)		Nom. 95pF/m	Nom. 95pF/m	Nom. 95pF/m	Nom. 100pF/m	Nom. 100pF/m	Nom. 100pF/m
Inner conductor resistance		Nom. 0.30 Ω/m	Nom. 0.48 Ω/m	Nom. 0.75 Ω/m	Nom. 1.25 Ω/m	Nom. 1.25 Ω/m	Nom. 1.75 Ω/m
Attenuation	1GHz	1.5dB/m	1.8dB/m	2.0dB/m	3.3dB/m	2.5dB/m	3.3dB/m
	2GHz	2.1dB/m	2.6dB/m	2.9dB/m	4.8dB/m	3.5dB/m	4.7dB/m
	3GHz	2.7dB/m	3.3dB/m	3.5dB/m	6.1dB/m	4.3dB/m	5.9dB/m
	4GHz	3.1dB/m	3.9dB/m	4.2dB/m	7.2dB/m	5.0dB/m	6.8dB/m
	5GHz	3.5dB/m	4.4dB/m	4.7dB/m	8.3dB/m	5.7dB/m	7.6dB/m
	6GHz	3.9dB/m	5.0dB/m	5.2dB/m	9.4dB/m	6.2dB/m	8.5dB/m
Tensile strength of inner conductor		14.0N	8.8N	6.9N	3.4N		3.1N
Tensile strength of cable		61.1N	40.2N	38.3N	27.0N	17.5N	13.5N