



56MM-E214T-100 is a 100m drum of high-quality RG214 50ohm coaxial cable. E214T features a silver-coated copper wire braid for the centre conductor with tinned copper wire braided shield layers. RG214 is designed for use in applications requiring high-frequency signal transmission, including telecommunications, radio communications, broadcast, and computer applications.



Features and Benefits

- » 100m RG214 coaxial cable suitable for radio transmission, amateur radio and base radio antenna station
- » Silver-coated copper wire braid centre conductor with tinned copper shield layers
- » Harsh environments: Can be used in dry and damp environments, as well as those with high thermal and chemical loads
- » VHF/UHF duplex repeater applications: Specifically recommended for use in VHF/UHF duplex repeater applications
- » Cut and terminate to the exact lengths required
- » Frequency range: 5-2500MHz

Construction		
Material	Diameter	
Centre Conductor	Silver-Coated Copper Wire Braid	7 × Φ 0.75 mm
Insulation:(Dielectric)	Solid Polyethylene	Φ 7.24 ± 0.20 mm
Shield 1	Tinned Copper Wire Braid	
Shield 2	Tinned Copper Wire Braid	
Jacket (Sheath)	Non-Contaminating PVC	Φ 10.80 ± 0.30 mm
Mechanical Characteristics		
Net Cable Weight		19.5 kg/100m
Cable weight (incl spool)		21 kg/100m
Minimum Bending Radius		150mm
Maximum Pulling Tension		100kg
Operating Temperature		-40° to +80°C
Electrical Characteristics		
Capacitance		< 101 pF/M
Impedance		50 Ω Nom. (48 - 50)
Propagation Velocity		66%
Conductor DCR		5.57 Ω /km
Shield DCR		2.29 Ω /km
Nom. Inductance		0.077 uH/ft (0.253 uH/m)
Peak Power		1300 W
Nominal Delay		5.05ns/mtr
Maximum Operating Voltage		3700 V RMS
Attenuation and Average Power		

100m Coaxial Cable RG214 Tin Plated Copper
Shield (TPC)

56MM-E214T-100



Matchmaster

For the Best

Frequency (MHz)	dB / 100 M @ 20 deg	Max Power (Watts) @ 40 deg
30	3	1300
100	6	712
400	13	356
1000	21	225
2500	35	142