



Q11-100A RF100A 50Ω



CONSTRUCTION

Item	Material	Diameter (mm)
Inner Conductor	Copper Clad Steel (30%)	0.46
Dielectric	Solid PE	1.52
First Shield	Aluminum Foil (Unbonded)	1.65
Second Shield	92% Tinned Copper wire Braid 16x5x0.10mm (Pitch 20.8mm)	2.11
Jacket	PVC or PE (Black) Thickness	2.79 0.33

ELECTRICAL CHARACTERISTICS

Capacitance (pF/m)	101.1
Impedance (Ω)	50.0 ± 3
Velocity of Propagation (%)	66.0
Return Loss (dB)	≥ 20
Screening Effectiveness (dB)	≥ 90
Inner Conductor DCR (Ω/km)	340.0
Outer Shield DCR (Ω/km)	31.2
Voltage withstand (Volts DC)	500.0
Spark Test (VRMS)	2000.0
Installation Temp Range (°C)	-40 to 85
Operating Temp Range (°C)	-40 to 85

ATTENUATION (20 °C)

Frequency(MHz)	Max Attenuation (dB/100m)
30	12.9
50	16.7
150	29.4
220	35.8
450	51.9
900	74.9
1500	98.7
1800	109.0
2000	115.5
2500	130.6

Printing on cable jacket: Q11-100A EMELEC ViasCom RF-100A WIRELESS 50 Ω LOW LOSS TRANSMISSION

Color of printing: White Color

Packing: 100M/Cardboard Spool, Spool Size: 170x75x70mm

Weight of cable: 14KG/KM

Label: RF 100A WIRELESS CABLE / Q11-100A