

RA-X213C-WS

RG213 Coaxial Cable



Product overview

Rg213 is suitable for radio communication and amateur radio, EMC test antenna cable. Generally, the loss is lower than that of RG58

Construction

Conductor	Material	BC
	Diameter	$7 \times (0.752 \text{ mm} \pm 0.02 \text{ mm})$
	Wire Gauge	13 AWG
Insulation	Material	SPE
	Diameter	$7.25 \text{ mm} \pm 0.1 \text{ mm}$
Braid	Material	CU (Customized optional: CCA)
	Braid Coverage	60% - 98%
Jacket	Material	PVC (Customized optional: PE/PVC+PE/LSZH)
	Diameter	$10.3 \text{ mm} \pm 0.3 \text{ mm}$

Packing

Package length	100m / 300m / 500m
	Customized
Box type	Ordinary / Waterproof
	Customized optional

Test Data

Operating Frequency	1 GHz
Velocity of propagation	66 %
Screening effectiveness	$\geq 40 \text{ dB}$ (up to 1 GHz)

Max. operating voltage	$\leq 0.85 \text{ kVrms}$ (at sea level)
Capacitance	101 pF/m. max
Insulation resistance	$\geq 1 \times 10^8 \text{ M}\Omega\text{m}$
Characteristic Resistance	$50\Omega \pm 2\Omega$
Elongation at Break (Wire)	$\geq 15\%$
Elongation at Break (Sheath)	$\geq 150\%$
Low Temperature Bending	Not cracked
Thermal Shock	Not cracked
Operating Temperature	- 20°C to +60°C (-4°F to 140°F)
Storage Temperature	- 10°C to +40°C (14°F to 104°F)

Technical Test [Attenuation @68°F(20°C)]

Frequency(MHZ)	Maximum(dB/100ft)	Maximum(dB/100m)
1	0.2	0.7
10	0.6	2.0
50	1.6	5.2
100	2.2	7.2
200	3.3	10.8
400	4.8	15.7
700	6.6	21.6
900	7.7	25.3
1000	8.3	27.2