

ET-X58C-01

RG58 Coaxial Cable



Product overview

RG58 coaxial cable meets the standard: M17 / 28-rg58, maximum working frequency: dc-1ghz, RG58 / u is used to provide high-speed and high-precision data transmission, and common applications include security system, computer network, access control and home automation applications. Rg-58 coaxial cable is often used to connect wireless devices and antennas in wireless network, and is also often used in automobile harness;

Construction

Conductor	Material	BC
	Diameter	19 × (0.18 mm ± 0.02 mm)
	Wire Gauge	20 AWG
Insulation	Material	SPE
	Diameter	2.95 mm ± 0.2 mm
AL Foil	Construction	With Foil
	Material	APG (Customized optional: GAPG/BAPG)
	Width	12 mm
	thickness	> 0.024 mm
	Overlap Rate	≥ 20%
Braid	Material	CCA (Customized optional: CU)
	Braid Coverage	60% - 98%
Jacket	Material	PVC (Customized optional: PE/PVC+PE/LSZH)
	Diameter	4.95 mm ± 0.3 mm

Packing

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

	Customized optional
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Test Data

Operating Frequency	1 GHz
Velocity of propagation	66 %
Screening effectiveness	≥ 40 dB (up to 1 GHz)
Max. operating voltage	≤ 2.5 kVrms (at sea level)
Capacitance	101 pF/m. max
Insulation resistance	≥ 1 × 10 ⁸ MΩm
Characteristic Resistance	50Ω ± 2Ω
Elongation at Break (Wire)	≥15%
Elongation at Break (Sheath)	≥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	0.4	1.31
10	1.4	4.59
50	3.3	10.83
100	4.9	16.08
200	7.3	23.95
400	12.2	40.03
700	16.9	55.46
900	20.1	65.96
1000	21.5	70.55