

ET-X6S-01

RG6 Coaxial Cable



Product overview

RG-6 is one of the 75 ohm series cables, which is insulated by physical foamed polyethylene. It has the characteristics of good high-frequency performance, low attenuation, good consistency, small bending radius, not easy to be affected by moisture, stable structural performance and long service life. It is widely used in cable TV trunk line, branch line, subscriber line and other electronic devices.

Construction

Conductor	Material	CCS
	Diameter	1.02mm ± 0.02 mm
	Wire Gauge	18 AWG
Insulation	Material	FPE
	Diameter	4.57 mm ± 0.2 mm
AL Foil	Construction	With Foil
	Material	AP
	Width	18 mm
	thickness	> 0.024 mm
	Overlap Rate	≥ 20%
Braid	Material	AL
	Diameter	0.12 mm
	Braid Coverage	60% - 98%
Jacket	Material	PVC
	Diameter	7.0 mm ± 0.5 mm

Packing

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

Test Data

Dielectric Strength	Not breakdown with 2kV DC for 1 min
Sheath Strength	Not breakdown with 3kV
Characteristic Resistance	75Ω ± 5Ω
Insulation Resistance	5000MΩ/km
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)

Certifications and Standards

Certification	CPR Eca, CE, UL
Executive Standards	Q/DXJ 194-2020

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

Frequency(MHZ)	Maximum(dB/100ft)	Maximum(dB/100m)
5	0.58	1.90
55	1.60	5.25
187	2.85	9.35
300	3.55	11.64
450	4.40	14.43
600	5.10	16.73
750	5.65	18.54
865	6.10	20.01
1000	6.55	21.49
1450	7.98	26.16
1800	8.46	27.73
2250	10.38	34.03
3000	11.44	37.50