

# RA-X6S2PA-WS

RG6 with Power CCTV Cable



## Product overview

RG6 with power CCTV cable is used for the data transmission and function of CCTV camera. The addition of power cord on the basis of RG6 coaxial cable will reduce the repeated wiring steps when installing CCTV camera, optimize the installation method and improve the installation efficiency.

## 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
Power Conductor	Material	CCA
	Diameter	7 x ( 0.3 mm ± 0.02 mm )
Power Jacket	Material	PVC
	Diameter	3.2 mm ± 0.3 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
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