

RA-X59S2PA-WS

RG59 with Power CCTV Cable



Product overview

RG59 with power CCTV cable is used for the data transmission and function of CCTV camera. The addition of power cord on the basis of RG59 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 | 0.81mm ± 0.02 mm |
| | Wire Gauge | 20 AWG |
| Insulation | Material | FPE |
| | Diameter Diameter | 3.66 mm ± 0.2 mm |
| AL Foil | Construction | With Foil |
| | Material | APG |
| | Width | 14 mm |
| | thickness | > 0.024 mm |
| | Overlap Rate | ≥ 20% |
| Braid | Material | CCA |
| | Diameterr | 0.12 mm |
| | Braid Coverage | 60% - 98% |
| Jacket | Material | PVC |
| | Diameter | 6.1 mm ± 0.3 mm |
| Power Conductor | Material | CCA |
| | Diameter | 7 x (0.3mm ± 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 | 0.86 | 2.82 |
| 55 | 2.05 | 6.73 |
| 187 | 3.60 | 11.81 |
| 300 | 4.45 | 14.60 |
| 450 | 5.40 | 17.72 |
| 600 | 6.20 | 20.34 |
| 750 | 6.98 | 22.87 |
| 865 | 7.52 | 24.67 |
| 1000 | 8.13 | 26.64 |
| 1200 | 8.97 | 29.40 |
| 1450 | 9.89 | 32.41 |
| 1800 | 11.81 | 38.72 |
| 3000 | 14.30 | 46.90 |