

i-Net Networks RG59 Siamese Cable



Feature

Siamese type includes RG59 coaxial and two wire power cables.
 RG59 bare copper solid conductor.
 Copper-Clad-Aluminum braid shield 97% coverage.
 Low interference.
 Stranded 0.75mm² copper-clad-aluminum power wires .
 Supports up to 1000ft (305m) without amplification.

Technical

Impedance	75±3 Ω
Max. DC resistance@20°C	<23.5 Ω/100m (conductor)
Capacitance	52±3 pF/m
Propagation velocity	85 %
Max. operating voltage	300 VMS
Operating temperature	-20°C~+80°C (-4°F~+176°F)
Return loss	VHF 5~1000MHz ≥22dB UHF 1000~2000MHz ≥20dB
Screening Attenuation	5~1000MHz ≥80dB
Dielectric strength	2500 VDC (conductor to shield)
Packing	Wooden Drum
Standard packing	90m (295 feet/98 yard) 305m (1000 feet/333 yard)
Package Weight	90m=6.0 kg 305m=17.0 kg

Ordering

RG59-81C97-P3QRCA-90	i-Net Networks RG59 Siamese cable 0.81mm bare copper, 3.7mm foam PE, 3.82mm AP tape, 4.45mm CCA braid, 16x8x0.12mm 97% coverage, 6.15mm PVC with integrated 2 core (black & red) power, 0.75mm ² , 7x0.37mm stranded CCA, 1.3mm HPE, 4.0mm PVC, 90m
90	90-90m, 305-305m

Highlights

RG59 Siamese cable is high performance low loss RG59 coaxial with integrated power wires that is widely used in residential and commercial environments for CCTV applications to transmit video signals and to power the CCTV camera.

Specification

Inner conductor	Bare copper
Conductor diameter	0.81±0.01 mm (0.0319") (20 AWG)
Dielectric	Foam Poly-Ethylene
Dielectric diameter	3.75±0.05 mm (0.147")
First shield	PET laminated aluminum foil
Second shield	copper clad aluminum
Shield diameter	128x0.12±0.03 mm (0.005")
Shield coverage	97%
Siamese jacket	PVC
RG59 jacket diameter	6.10±0.15 mm (0.240")
RG59 jacket thickness	0.80±0.05 mm (0.031")
Power wire	Stranded copper clad aluminum
Power wire color	Black & Red
Power wire dimension	7x0.37mm (0.05") & 2x0.75mm ²
Power jacket diameter	3.80±0.15 mm (0.149")

Attenuation (dB/100m)@20°C (68°F)

55 MHz	6.70dB
187 MHz	11.80dB
211 MHz	12.50dB
400 MHz	16.70dB
860 MHz	24.60dB
1000 MHz	26.30dB
1500 MHz	32.50dB
1800 MHz	35.60dB
2200 MHz	41.20dB