

HAELink Supply Inc.

RG59 + POWER SIAMESE COAXIAL CABLE

Product Specification



RG59+Power

Product Description

RG59 coaxial cable combined with two parallel power conductors in a siamese construction, designed for CCTV/video surveillance installations where video signal and DC power are routed together.

Construction

Item	Specification	Remarks
Coaxial inner conductor	Ø 0.81 mm, Copper (Cu)	Typical RG59 construction
Coaxial insulation	Ø 3.66 mm, Foamed PE	
1st screening	Aluminum foil	
2nd screening	Copper braid	Braid coverage/configuration per order
Coaxial jacket	PVC, Black	Approx. Ø 6.0 mm
Power conductors	2 conductors, stranded/bare copper	Conductor size to be confirmed by order
Power insulation	PVC	Red / Blue
Overall construction	Parallel siamese type	Coax + 2C power

Electrical Characteristics - Coaxial Section

Parameter	Value
Characteristic impedance	75 Ω
Velocity factor	Approx. 0.66
Capacitance	Approx. 67 pF/m
Screening effectiveness	> 80 dB (typical)
Minimum bending radius	Approx. 50 mm

Typical Attenuation at 20°C

Frequency	Attenuation
50 MHz	~ 6.0 dB/100 m
100 MHz	~ 8.7 dB/100 m
200 MHz	~ 12.5 dB/100 m
500 MHz	~ 20.5 dB/100 m
800 MHz	~ 26.5 dB/100 m
1000 MHz	~ 30.0 dB/100 m

Application & Packing

Application	CCTV cameras, analog video surveillance, security systems
Standard packing	100 m / 305 m coil or reel; other lengths available on request
Jacket colour	Black standard; other colours available on request

Note: This sheet is prepared from the supplied RG59+Power product image and the reference coaxial-cable format. Power-conductor gauge, exact braid construction, jacket dimensions, attenuation and packing should be confirmed against the factory production specification before final customer release.