

# High-Definition CCTV Composite Cable



## Description

This direct burial composite cable allows power, video, and pan-tilt-zoom (PTZ) control signals to be passed to a CCTV camera using a single multi-conductor cable. The use of separate cables to carry these signals can be costly and is often cumbersome for installers when pulling cable through conduit or walls. By combining all of the cables required for most professional CCTV installations into a single composite cable, we are able to offer a cost effective solution that makes it simple to stock, transport, and install the CCTV cable for your next project.

## Features and Benefits

- High-definition 21AWG double-shielded precision video coax delivers crystal clear video
- Low capacitance individually shielded twisted pairs for RS-232/422/485 communication provide error free data transmission
- 16 AWG power wires (w/ earth ground) are ideal for preventing voltage drops over long cable runs
- Direct burial, sunlight resistant outer jacket is durable, yet easy to work with

## Technical Specifications

### Overall Outer Jacket:

Nom. Outer Diameter	0.574" ± 0.015"
Material	UV resistant PVC
Nom. Jacket Thickness	0.020" ± 0.005"

### Coaxial Video Cable:

Type	RG59/U
Center Conductor	21 AWG, 19/34 BC
Dielectric Material	Solid polyethylene, 0.198"
Shield	98% double-braided TC
Jacket Type & Thickness	PVC, 0.035"
Nominal Capacitance	20.9 pF/ft
Velocity of Propagation	67%
Nominal Impedance	75 Ω

### Data (Control) Cable:

Number of Pairs	2
Conductor Size & Type	22 AWG, 7/30 BC
Individually Shielded Pairs	Yes, foil shielded
Shield Material	Aluminum polyester
Shield Drain Wire	24 AWG, 7/32 TC
Insulation Type & Thickness	Foam PP, 0.012"
Jacket Type & Thickness	PVC, 0.025"
Nominal Capacitance	15 pF/ft

### Power Cable:

Number of Conductors	3 (hot, neutral, ground)
Conductor Size & Type	16 AWG, 26/30 BC
Insulation Type & Thickness	PVC, 0.015"
Jacket Type & Thickness	PVC, 0.018"

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