

## 539945 Composite - CCTV Plus Audio or Power or Pan and Tilt CCTV Control App

 	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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### Description:

18 AWG bare copper conductor, foam polyolefin insulation, bare copper braid shield, PVC jacket

### SUITABLE APPLICATIONS:

Suitable Applications	CCTV plus Audio, Pan and Tilt CCTV Control
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### PHYSICAL CHARACTERISTICS:

#### COAX:

Number of Coax	1
RG Type (Single Coax)	6/U

#### CONDUCTOR :

Coax AWG	18
Coax Stranding	Solid
Coax Conductor Diameter	.040 in.
Coax Conductor Material	BC - Bare Copper

#### INSULATION :

Coax Insulation Material	FPE - Foam Polyethylene
Coax Insulation Diameter	.180 in.

#### INNER SHIELD :

Coax Inner Shield Type	Braid
Coax Inner Shield Material	BC - Bare Copper
Coax Inner Shield % Coverage	95 %

#### TWISTED PAIR CABLE(S):

#### CONDUCTOR :

Number of Pairs	1
Twisted Pair AWG	18
Twisted Pair Stranding	7
Twisted Pair Conductor Diameter	.046 in.
Twisted Pair Conductor Material	BC - Bare Copper

#### INSULATION :

Twisted Pair Insulation Material	PVC - Polyvinyl Chloride
Twisted Pair Insulation Diameter	.066 in.

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Twisted Pair Color Code Chart :

Number	Color
1	Black & Red

### OVERALL CABLING:

#### CONDUCTOR :

Total Number of Conductors	3
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#### OUTER SHIELD :

Overall Cabling Outer Shield Material	Unshielded
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#### OUTER JACKET :

Overall Cabling Outer Jacket Material	PVC - Polyvinyl Chloride
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#### OVERALL DIAMETER :

Overall Composite Cabling Nominal Diameter	.266 x .500 in.
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### MECHANICAL CHARACTERISTICS:

#### OVERALL CABLING:

Overall Cabling Operating Temperature Range	-30°C To +80°C
Overall Cabling Non-UL Temperature Rating	75°C
Overall Cabling Bulk Cable Weight	61 lbs/1000 ft.
Overall Cabling Max. Recommended Pulling Tension	114 lbs.
Overall Cabling Min. Bend Rad.(Install)/Minor Axis	2.75 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### COAX:

#### APPLICABLE STANDARDS :

Coax EU CE Mark (Y/N)	Yes
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#### OVERALL CABLING:

#### APPLICABLE STANDARDS :

Overall Cabling NEC/(UL) Specification	CM
Overall Cabling NEC Articles	800
Overall Cabling CEC/C(UL) Specification	CM
Overall Cabling EU RoHS Compliant (Y/N)	Yes
Overall Cabling EU RoHS Compliance (mm/dd/yyyy):	04/01/2005
Overall Cabling Other Specification	NEC Article 800

#### FLAME TEST :

Overall Cabling UL Flame Test	UL1685 UL Loading
Overall Cabling C(UL) Flame Test	FT1

#### SUITABILITY :

Overall Cabling Suitability - Indoor	Yes
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#### PLENUM/NON-PLENUM :

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Overall Cabling Plenum (Y/N)	N
Overall Cabling Plenum Number	639948

### ELECTRICAL CHARACTERISTICS:

#### COAX:

Coax Nom. Characteristic Impedance	75 Ohms
Coax Nom. Inductance	.097 $\mu$ H/ft
Coax Nom. Capacitance Conductor to Shield	16.3 pF/ft
Coax Nominal Velocity of Propagation	83 %
Coax Nominal Delay	1.22 ns/ft
Coax Nom. Conductor DC Resistance @ 20 Deg. C	6.4 Ohms/1000 ft
Coax Nom. Inner Shield DC Resistance	3.1 Ohms/1000 ft

#### Coax Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.20
	5			.45
	10			.64
	50			1.46
	100			2.1
	200			3.0
	400			4.3
	700			5.8
	900			6.7
	1000			7.1

Coax Max. Operating Voltage - UL	300 V RMS
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### MULTICONDUCTOR CABLE(S):

Multi-Conductor Nom. Cap. Cond. to Cond. @ 1 kHz	24 pF/ft
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### OVERALL CABLING:

Overall Cabling Max. Operating Voltage - UL	300 V RMS
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### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
539945 0091000	1 #18 PR, 1 RG-6/U COAX	1000	69	WHITE	C
539945 009500	1 #18 PR, 1 RG-6/U COAX	500	34	WHITE	C
539945 0101000	1 #18 PR, 1 RG-6/U COAX	1000	69	BLACK	C
539945 010500	1 #18 PR, 1 RG-6/U COAX	500	34	BLACK	C

C = CRATE REEL PUT-UP.

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