

## 1263B Composite - Cables for TV Cameras and CCTV



For more Information  
please call

1-800-Belden1

**Description:**

(2) Coax : 25 AWG (7x30) BC, GIPPE insul., Duofoil® plus TC braid (95% cov.), PVC inner jacket. (3) Pairs: 22 AWG TC, PP insul., Beldfoil® with drain, PVC Jackets. Color Coded Jackets. Cabled. Overall flexible PVC jacket.

**Usage (Overall)****Suitable Applications:**

Electronic News Gathering (ENG), Electronic Field Production (EFP), Analog Audio + Digital Video Composite Applications, 2 V + 3A

**Coax****Physical Characteristics****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
2	25	7x33	BC - Bare Copper	0.021

**Insulation****Insulation Material:**

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	0.100

**Inner Shield****Inner Shield Material:**

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	% Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	95

**Inner Jacket****Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	0.160

**Inner Jacket Color Code Chart:**

Number	Color
1	Red
2	Black

**Applicable Specifications and Agency Compliance**  
**Applicable Standards & Environmental Programs**

EU CE Mark: No

RG Type: 59/U

**Electrical Characteristics****Nom. Characteristic Impedance:**

Impedance (Ohm)
75

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
17.300

**Nominal Velocity of Propagation:**

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## VP (%)

78.000

## Nominal Delay:

## Delay (ns/ft)

1.300

## Nom. Conductor DC Resistance:

## DCR @ 20°C (Ohm/1000 ft)

30.200

## Nom. Inner Shield DC Resistance:

## DCR @ 20°C (Ohm/1000 ft)

5.900

## Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.450
5.000	1.100
10.000	1.500
50.000	3.200
100.000	4.300
300.000	10.600
500.000	13.800

## Twisted Pair

## Physical Characteristics

## Conductor

## AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
3	22	7x30	Tc - Tinned Copper	0.030

## Insulation

## Insulation Material:

Insulation Material	Dia. (in.)
PP - Polypropylene	0.046

## Inner Shield

## Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

## Inner Shield Drain Wire AWG:

AWG	Stranding	Dia. (in.)	Conductor Material
22	7x30	0.030	TC - Tinned Copper

## Inner Jacket

## Inner Jacket Color Code Chart:

Number	Color
1	Black and Red
2	Black and Red
3	Black and Red

## Electrical Characteristics

## Nom. Characteristic Impedance:

## Impedance (Ohm)

50

## Nom. Inductance:

## Inductance (µH/ft)

0.170

## Nom. Capacitance Conductor to Conductor:

## Capacitance (pF/ft)

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32.000

Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)

58.000

Nominal Velocity of Propagation:

VP (%)

66.000

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11.300

Max. Operating Voltage - Non-UL:

Voltage

150 V RMS

## Multi Conductor

## Physical Characteristics

## Conductor

AWG:

# Triads

1

## Inner Jacket

Inner Jacket Material:

Inner Jacket Material Nom. Dia. (in.)

PVC - Polyvinyl Chloride 0.125

Inner Jacket Color Code Chart:

Number	Color
1	Brown
2	Red
3	Orange

## Physical Characteristics (Overall)

## Outer Jacket

Outer Jacket Material:

Outer Jacket Material

PVC - Polyvinyl Chloride

## Overall Cable

Overall Nominal Diameter: 0.492 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 103 lbs/1000 ft.

Max. Recommended Pulling Tension: 135 lbs.

Min. Bend Radius (Install)/Minor Axis: 5 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

## 1263B Composite - Cables for TV Cameras and CCTV

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

## Max. Operating Voltage - UL:

Voltage

30 V RMS

## Notes (Overall)

Notes: Round Construction

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1263B J5C1000	1,000 FT	114.000 LB	BLACK, VIVID MATTE	C	2 #25 COAX 3 PR #22 PP PVC PVC
1263B J5C500	500 FT	60.500 LB	BLACK, VIVID MATTE	C	2 #25 COAX 3 PR #22 PP PVC PVC

## Notes:

C = CRATE REEL PUT-UP.

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