METRIC MEASUREMENT VERSION



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



For more Information please call

1-800-Belden1



### **General Description:**

(2) Coax: 25 AWG (7x30) BC, GIFPE 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. (mm)
2	25	7x33	BC - Bare Copper	0.533

### Insulation

#### **Insulation Material:**

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	2.540

### **Inner Shield**

#### Inner Shield Material:

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

#### **Inner Jacket**

#### Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	4.064

### Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Black

### **Applicable Specifications and Agency Compliance**

## **Applicable Standards & Environmental Programs**

 EU CE Mark:
 No

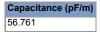
 RG Type:
 59/U

### **Electrical Characteristics**

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:

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VP	(%)
78.	000

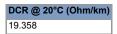
#### **Nominal Delay:**



#### Nom. Conductor DC Resistance:



### Nom. Inner Shield DC Resistance:



### Nom. Attenuation:

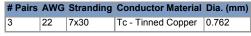
Freq. (MHz)	Attenuation (dB/100m)
1.000	1.476
5.000	3.609
10.000	4.922
50.000	10.499
100.000	14.108
300.000	34.779
500.000	45.278

### **Twisted Pair**

### **Physical Characteristics**

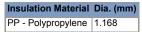
### Conductor

AWG:



### Insulation

#### Insulation Material:



### **Inner Shield**

### Inner Shield Material:

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

#### Inner Shield Drain Wire AWG:

AWG	Stranding	Dia. (mm)	Conductor Material
22	7x30	0.762	TC - Tinned Copper

### **Inner Jacket**

#### **Inner Jacket Color Code Chart:**

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

### Individual Shield

### **Electrical Characteristics**

Nom. Characteristic Impedance:



### Nom. Inductance:



Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

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104.992
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Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 190.298

Nominal Velocity of Propagation:

**VP (%)** 66.000

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/km) 37.075

Max. Operating Voltage - Non-UL:

Voltage 150 V RMS

### **Multi Conductor**

### **Physical Characteristics**

Conductor

AWG:



#### **Inner Jacket**

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	3.175

### **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: 12.497 mm

### **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	159.237 Kg/Km
Max. Recommended Pulling Tension:	600.507 N
Min. Bend Radius/Minor Axis:	127 mm

### **Applicable Specifications and Agency Compliance (Overall)**

### **Applicable Standards & Environmental Programs**

EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

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	EU Directive 2002/96/EC (WEEE):	Yes		
	EU Directive 2003/11/EC (BFR):	Yes		
	CA Prop 65 (CJ for Wire & Cable):	Yes		
	MII Order #39 (China RoHS):	Yes		
Ple	num/Non-Plenum			
	Plenum (Y/N):	No		

#### **Electrical Characteristics (Overall)**

Max. Operating Voltage - UL:

Voltage 30 V RMS

### **Notes (Overall)**

Notes: Round Construction

### **Put Ups and Colors:**

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

#### Notes:

C = CRATE REEL PUT-UP.

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