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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. (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:

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

#### Individual Shield

### Electrical Characteristics

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (µH/ft)
0.170

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
32.000

Nom. Capacitance Cond. to Other Conductor & 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: 107 lbs/1000 ft.

Max. Recommended Pulling Tension: 135 lbs.

Min. Bend Radius/Minor Axis: 5 in.

## 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

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

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

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

MIL 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

## 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.

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

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