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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. (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:

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. (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:

Impedance (Ohm)
75

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
56.761

Nominal Velocity of Propagation:

VP (%)

78.000

Nominal Delay:

Delay (ns/m)

4.265

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

99.086

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

19.358

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:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
3	22	7x30	Tc - Tinned Copper	0.762

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PP - Polypropylene	1.168

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. (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:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/m)

0.558

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

104.992

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:

Triads
1

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

METRIC MEASUREMENT VERSION

1263B Composite - Cables for TV Cameras and CCTV

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

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.

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