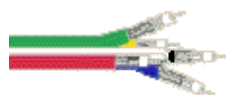


1281S6C Coax - Banana Peel® Unjacketed Bundles Minin Hi-Res Component Video



For more Information
please call

1-800-Belden1



General Description:

25 AWG solid .018" tinned copper conductors, foam HDPE insulation, Duobond® foil plus a tinned copper interlocked serve shield (95% coverage), inner PVC jacket.

Usage (Overall)

Suitable Applications: RGB, VGA, SVGA, XGA, SXGA, UXGA, HDTV, LCD, Plasma, Digital Signage, Component Video, Video Mult, Animation, Special effects

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
	6	25	Solid	TC - Tinned Copper	0.457
4		24	Solid	BC - Bare Copper	0.533

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Material	Dia. (mm)	AWG
Gas-injected FHDPE - Foam High Density Polyethylene	1.880	25
PO - Polyolefin		24

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duobond®	Tape	Aluminum Foil-Polyester Tape Lightly bonded to dielectric	100
2		Interlocked Serve	TC - Tinned Copper	95

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	2.896
PVC - Polyvinyl Chloride	5.232

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue
4	Yellow
5	Black
6	White
7	Gray

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

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Outer Jacket Material

Unjacketed

Overall Cable

Overall Cabling Fillers: Bonded Spline

Overall Nominal Diameter: 8.687 mm

Pair

Pair Color Code Chart:

Number	Color
1	Blue & White/Blue
2	Orange & White/Orange
3	Green & White/Green
4	Brown & White/Brown

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 84.827 Kg/Km

Max. Recommended Pulling Tension: 444.820 N

Min. Bend Radius (Each Coax): 27.940 mm

Min. Bend Radius (Overall): 107.950 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

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

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

EU RoHS Compliance Date (mm/dd/yyyy): 02/24/2005

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

Applicable Patents:

Country

www.belden.com/p

Flame Test

UL Flame Test: UL1666 Vertical Shaft

CSA Flame Test: FT4

Suitability

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 1282S6, 1280P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

METRIC MEASUREMENT VERSION

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Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.285447

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

55.777

Nominal Velocity of Propagation:

VP (%)

80

Nominal Delay:

Delay (ns/m)

4.06844

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

111.554

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

17.7174

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.70612
5	3.83877
50	12.1397
100	16.0769
200	21.9827
400	31.1695
750	43.9654
900	49.215
1000	51.8398
3000	102.367

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	850	20

Sweep Test

Sweep Testing: 5 - 850 MHz

Notes (Overall)

Notes: For 1281S6 010, all jackets are black and printed "RED/1", "GREEN/2", "BLUE/3", "YELLOW/4", "BLACK/5", and "WHITE/6".

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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