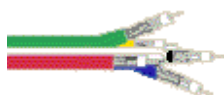


1281S5 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video



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 (100% 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, Suitable for use in Risers

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
5	25	Solid	TC - Tinned Copper	0.4572

Total Number of Conductors: 5

Insulation**Insulation Material:**

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	1.8796

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	2.8956

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue
4	Yellow
5	Black

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
Unjacketed

Overall Cable

1281S5 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video

Overall Cabling Fillers:	Bonded Spline
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Overall Nominal Diameter:	7.823 mm
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Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
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UL Temperature Rating:	60°C
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Non-UL Temperature Rating:	75°C
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Bulk Cable Weight:	68.457 Kg/Km
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Max. Recommended Pulling Tension:	369.201 N
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Min. Bend Radius (Each Coax):	27.940 mm
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Min. Bend Radius (Overall):	88.900 mm
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Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMR
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CEC/C(UL) Specification:	CMG
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EU CE Mark:	No
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	02/24/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	UL1666 Vertical Shaft
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Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Plenum Number:	1282S5
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

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

METRIC MEASUREMENT VERSION

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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

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 1281S5 010, all jackets are black and printed "RED/1", "GREEN/2", "BLUE/3", "YELLOW/4", and "BLACK/5"

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1281S5 0001000	305 MT	22.680 KG	NONE	C	5C25 RGBSC
1281S5 000250	76 MT	5.897 KG	NONE	C	5C25 RGBSC
1281S5 000500	152 MT	11.340 KG	NONE	C	5C25 RGBSC
1281S5 0101000	305 MT	23.133 KG	BLACK	C	5C25 RGBSC
1281S5 010250	76 MT	5.897 KG	BLACK	C	5C25 RGBSC
1281S5 010500	152 MT	11.340 KG	BLACK	C	5C25 RGBSC

Notes:

C = CRATE REEL PUT-UP.

Test Reports

a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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