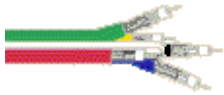


## 1281S5 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video



For more Information  
please call

1-800-Belden1



### 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

#### 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 Cabling

**Overall Cabling Fillers:**

Bonded Spline

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Overall Nominal Diameter: 7.823 mm

### 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:	68.457 Kg/Km
Max. Recommended Pulling Tension:	578.266 N
Min. Bend Radius (Each Coax):	27.940 mm
Min. Bend Radius (Overall):	88.900 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
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

#### Flame Test

UL Flame Test: UL1666 Vertical Shaft

#### Suitability

Suitability - Indoor: Yes

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1282S5

### 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

#### Nom. Conductor DC Resistance:

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**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.

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