

## 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. (in.)
5	25	Solid	TC - Tinned Copper	.018

**Total Number of Conductors:** 5

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.074

#### 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. (in.)
PVC - Polyvinyl Chloride	.114

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

**Overall Cabling Fillers:** Bonded Spline

**Overall Nominal Diameter:** 0.308 in.

### 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:** 46 lbs/1000 ft.

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Max. Recommended Pulling Tension:	83 lbs.
Min. Bend Radius (Each Coax):	1.100 in.
Min. Bend Radius (Overall):	3.500 in.

### 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
<a href="http://www.belden.com/p">www.belden.com/p</a>

#### 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
Plenum Number:	1282S5

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)
75

#### Nom. Inductance:

Inductance (µH/ft)
.087

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.0

#### Nominal Velocity of Propagation:

VP (%)
80

#### Nominal Delay:

Delay (ns/ft)
1.24

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
34

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.4

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.52
5	1.17
50	3.7
100	4.9
200	6.7
400	9.5

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750	13.4
900	15.0
1000	15.8
3000	31.2

**Max. Operating Voltage - UL:**

<b>Voltage</b>
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	1,000 FT	50.000 LB	NONE	C	5C25 RGBSC
1281S5 000250	250 FT	13.000 LB	NONE	C	5C25 RGBSC
1281S5 000500	500 FT	25.000 LB	NONE	C	5C25 RGBSC
1281S5 0101000	1,000 FT	51.000 LB	BLACK	C	5C25 RGBSC
1281S5 010250	250 FT	13.000 LB	BLACK	C	5C25 RGBSC
1281S5 010500	500 FT	25.000 LB	BLACK	C	5C25 RGBSC

**Notes:**

C = CRATE REEL PUT-UP.

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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

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