

## 1281S6 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:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
6	25	Solid	TC - Tinned Copper	0.4572

Total Number of Conductors:

6

#### 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
6	White

#### 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: 8.687 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: 84.827 Kg/Km

## METRIC MEASUREMENT VERSION

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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 &amp; 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
MIL 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

Suitability - Indoor:	Yes - Risers
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## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1282S6, 1280P

## 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:

## 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

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200	21.9827
400	31.1695
750	43.9654
900	49.215
1000	51.8398
3000	102.367

## Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

## Max. Operating Voltage - Non-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 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
1281S6 0001000	1,000 FT	61.000 LB	NONE	C	6C25 RGBHVC
1281S6 000500	500 FT	31.500 LB	NONE	C	6C25 RGBHVC
1281S6 0101000	1,000 FT	67.000 LB	BLACK	C	6C25 RGBHVC
1281S6 010500	500 FT	32.000 LB	BLACK	C	6C25 RGBHVC

## Notes:

C = CRATE REEL PUT-UP.

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