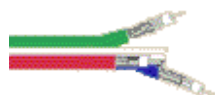


## 1281S3 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video



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 (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. (in.)
3	25	Solid	TC - Tinned Copper	.018

**Total Number of Conductors:**

3

**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	Bonded Duofoil®	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

**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:**

0.246 in.

## 1281S3 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video

**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:	25 lbs/1000 ft.
Max. Recommended Pulling Tension:	50 lbs.
Min. Bend Radius (Each Coax):	1.100 in.
Min. Bend Radius (Overall):	2.500 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

**Flame Test**

UL Flame Test:	UL1666 Vertical Shaft
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**Suitability**

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

Plenum (Y/N):	No
Plenum Number:	1282S3, 1277P

**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

## 1281S3 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video

## 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
750	13.4
900	15.0
1000	15.8
3000	31.2

## 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

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1281S3 0001000	1,000 FT	27.000 LB	NONE	C	3C25 RGB
1281S3 000500	500 FT	14.500 LB	NONE	C	3C25 RGB

## Notes:

C = CRATE REEL PUT-UP.

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