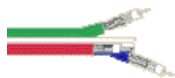


## 1282S3 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video



For more Information  
please call

1-800-Belden1



### General Description:

25 AWG solid .018" tinned copper conductors, plenum, foam FEP insulation, Duobond® foil plus a tinned copper interlocked serve shield (95% coverage), inner fluorocopolymer 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 Plenum spaces

### 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.)
FPFA - Foam Perfluoroalkoxy	.075

#### Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Aluminum Foil-Poly Tape-Aluminum	Lightly bonded to dielectric 100
2		Interlocked Serve	TC - Tinned Copper	95

#### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
Plenum Grade 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.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -20°C To +75°C

**UL Temperature Rating:** 60°C

**Non-UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 30 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 90 lbs.

**Min. Bend Radius (Each Coax):** 1.100 in.

## 1282S3 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video

Min. Bend Radius (Overall): 2.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2006
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  
www.belden.com/p

#### Flame Test

UL Flame Test: NFPA 262

#### Suitability

Suitability - Indoor: Yes

#### Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 1281S3, 1277R

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)  
75

#### Nom. Inductance:

Inductance (µH/ft)  
.087

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)  
16.8

#### Nominal Velocity of Propagation:

VP (%)  
81

#### Nominal Delay:

Delay (ns/ft)  
1.26

#### 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	0.5
5	1.2
50	3.8
100	5.2
200	7.1
400	10.0
750	14.3
1000	16.9

## ENGLISH MEASUREMENT VERSION

### 1282S3 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video

2250	25.5
3000	33.9

**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

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1282S3 0001000	1,000 FT	32.000 LB	NONE	C	3C25 RGB
1282S3 000500	500 FT	17.000 LB	NONE	C	3C25 RGB

**Notes:**

C = CRATE REEL PUT-UP.

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