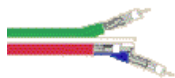


## 1282S3 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video



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. (mm)
3	25	Solid	TC - Tinned Copper	0.4572

Total Number of Conductors:

3

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPFA - Foam Perfluoroalkoxy	1.905

#### 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. (mm)
Plenum Grade PVC - Polyvinyl Chloride	2.8956

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:

6.248 mm

### 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:

44.646 Kg/Km

Max. Recommended Pulling Tension:

400.338 N

Min. Bend Radius (Each Coax):

27.940 mm

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

Min. Bend Radius (Overall): 63.500 mm

### 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/m)  
0.285447

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)  
55.1208

#### Nominal Velocity of Propagation:

VP (%)  
81

#### Nominal Delay:

Delay (ns/m)  
4.13406

#### 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	1.6405
5	3.9372
50	12.4678
100	17.0612
200	23.2951
400	32.81
750	46.9183
1000	55.4489

## METRIC MEASUREMENT VERSION

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

2250	83.6655
3000	111.226

#### 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.

Revision Number: 3 Revision Date: 03-10-2014

© 2015 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.