

## 1283S3 Coax - Banana Peel® Unjacketed VideoFLEX® Bundles



For more Information  
please call

1-800-Belden1



### General Description:

20 AWG solid .032" bare copper conductors, foam FEP insulation, Duofoil® + tinned copper braid shield (95% coverage), Flammarrest® jackets in colors, 5 and 6 bundles in all black, center spline binder.

### 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      | 20  | Solid     | BC - Bare Copper   | .032       |

Total Number of Conductors: 3

#### Insulation

##### Insulation Material:

| Insulation Material                        | Dia. (in.) |
|--|------------|
| FFEP - Foam Fluorinated Ethylene Propylene | .133       |

#### Inner Shield

##### Inner Shield Material:

| Layer # | Inner Shield Trade Name | Type  | Inner Shield Material                      | Coverage (%) |
|---------|-------------------------|-------|--|--------------|
| 1       | Duofoil®                | Tape  | Aluminum Foil-Polyester Tape-Aluminum Foil | 100          |
| 2       |                         | Braid | TC - Tinned Copper                         | 95           |

#### Inner Jacket

##### Inner Jacket Material:

| Inner Jacket Material                 | Nom. Dia. (in.) |
|---------------------------------------|-----------------|
| Plenum Grade PVC - Polyvinyl Chloride | .196            |

##### 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: 0.422 in.

## 1283S3 Coax - Banana Peel® Unjacketed VideoFLEX® Bundles

**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:                | 93 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 216 lbs.        |
| Min. Bend Radius/Minor Axis:      | 6.500 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): | 06/01/2005 |
| 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        |
| RG Type:                              | 59/U       |

**Flame Test**

|                |          |
|----------------|----------|
| UL Flame Test: | NFPA 262 |
|----------------|----------|

**Suitability**

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | Yes |

**Plenum/Non-Plenum**

|                    |       |
|--------------------|-------|
| Plenum (Y/N):      | Yes   |
| Non-Plenum Number: | 7794A |

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

|                 |
|-----------------|
| Impedance (Ohm) |
| 75              |

**Nom. Inductance:**

|                    |
|--------------------|
| Inductance (μH/ft) |
| 0.107              |

**Nom. Capacitance Conductor to Shield:**

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 16.2                |

**Nominal Velocity of Propagation:**

|        |
|--------|
| VP (%) |
| 83     |

**Nominal Delay:**

|               |
|---------------|
| Delay (ns/ft) |
|---------------|

## 1283S3 Coax - Banana Peel® Unjacketed VideoFLEX® Bundles

1.22

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.0

## Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.8

## Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1           | 0.3                      |
| 3.6         | 0.6                      |
| 10          | 0.9                      |
| 71.5        | 2.1                      |
| 135         | 2.7                      |
| 270         | 3.8                      |
| 360         | 4.4                      |
| 540         | 5.5                      |
| 720         | 6.4                      |
| 750         | 6.5                      |
| 1000        | 7.6                      |
| 1500        | 9.4                      |
| 2500        | 12.4                     |
| 3000        | 13.8                     |

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Other Electrical Characteristic 1:

Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination.

## Other Electrical Characteristic 2:

Return Loss Tested in Accordance With ASTM D-4566 Paragraph 45.3, Using a 75 Ohm Fixed Bridge and Termination.

## Minimum Return Loss:

| Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------------|------------------|--------------|
| 5                 | 850              | 23           |
| 851               | 3000             | 15           |

## Sweep Test

## Sweep Testing:

Sweep tested 5 MHz to 3 GHz.

## Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|-----------|
| 1283S3 0001000 | 1,000 FT | 102.000 LB  | NONE  | C     | 3C20 RGB  |
| 1283S3 000250  | 250 FT   | 26.250 LB   | NONE  | C     | 3C20 RGB  |
| 1283S3 000500  | 500 FT   | 51.500 LB   | NONE  | C     | 3C20 RGB  |

## Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 09-30-2009

© 2013 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.

## **1283S3 Coax - Banana Peel® Unjacketed VideoFLEX® Bundles**

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.