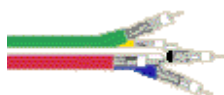


## 1282S6 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video



For more Information  
please call

1-800-Belden1



### Description:

25 AWG solid .018" tinned copper conductors, plenum, foam FEP insulation, Duobond® foil plus a tinned copper interlocked serve shield (100% 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.) |
|--------|-----|-----------|--------------------|------------|
| 6      | 25  | Solid     | TC - Tinned Copper | .018       |

#### 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       | Duobond®                | Tape              | Aluminum Foil-Poly Tape-AluminumLightly 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   |
| 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

## 1282S6 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video

|                           |           |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.342 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:                | 73 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 100 lbs.        |
| Min. Bend Radius (Each Coax):     | 1.100 in.       |
| Min. Bend Radius (Overall):       | 4.250 in.       |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CMP        |
| CEC/C(UL) Specification:              | CMP        |
| 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        |

**Flame Test**

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

**Suitability**

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

**Plenum/Non-Plenum**

|                    |               |
|--------------------|---------------|
| Plenum (Y/N):      | Yes           |
| Non-Plenum Number: | 1281S6, 1280R |

**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          |

## 1282S6 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           | 0.50                     |
| 5           | 1.2                      |
| 50          | 3.8                      |
| 100         | 5.2                      |
| 200         | 7.1                      |
| 400         | 10.0                     |
| 750         | 14.3                     |
| 1000        | 16.9                     |
| 2250        | 25.5                     |
| 3000        | 33.9                     |

## 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

## Notes (Overall)

**Notes:** For 1282S6 010, all jackets are black and printed "RED/1", "GREEN/2", "BLUE/3", "YELLOW/4", "BLACK/5", and "WHITE/6"

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color | Notes | Item Desc   |
|----------------|----------|-------------|-------|-------|-------------|
| 1282S6 0001000 | 1,000 FT | 72.000 LB   | NONE  | C     | 6C25 RGBHVC |
| 1282S6 000500  | 500 FT   | 37.000 LB   | NONE  | C     | 6C25 RGBHVC |
| 1282S6 0101000 | 1,000 FT | 77.000 LB   | BLACK | C     | 6C25 RGBHVC |
| 1282S6 010500  | 500 FT   | 40.000 LB   | BLACK | C     | 6C25 RGBHVC |

## Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4      Revision Date: 07-21-2010

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## 1282S6 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video

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