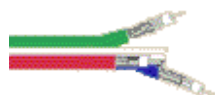


1281S3 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video



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

Total Number of Conductors:

3

Insulation**Insulation Material:**

| Insulation Material | Dia. (mm) |
|---|-----------|
| Gas-injected FHDPE - Foam High Density Polyethylene | 1.8796 |

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. (mm) |
|--------------------------|----------------|
| 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

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: | 37.205 Kg/Km |
| Max. Recommended Pulling Tension: | 222.410 N |
| Min. Bend Radius (Each Coax): | 27.940 mm |
| Min. Bend Radius (Overall): | 63.500 mm |

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

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CMR |
| CEC/C(UL) Specification: | CMG |
| 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 |
|----------------|-----------------------|

Suitability

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

Plenum/Non-Plenum

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

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

Impedance (Ohm)

75

Nom. Inductance:

Inductance (μH/m)

0.285447

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

55.777

Nominal Velocity of Propagation:

VP (%)

80

Nominal Delay:

Delay (ns/m)

4.06844

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

METRIC MEASUREMENT VERSION

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

111.554

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

17.7174

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100m) |
|-------------|-----------------------|
| 1 | 1.70612 |
| 5 | 3.83877 |
| 50 | 12.1397 |
| 100 | 16.0769 |
| 200 | 21.9827 |
| 400 | 31.1695 |
| 750 | 43.9654 |
| 900 | 49.215 |
| 1000 | 51.8398 |
| 3000 | 102.367 |

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 | 305 MT | 12.247 KG | NONE | C | 3C25 RGB |
| 1281S3 000500 | 152 MT | 6.577 KG | NONE | C | 3C25 RGB |

Notes:

C = CRATE REEL PUT-UP.

Test Reports

a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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METRIC MEASUREMENT VERSION

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

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