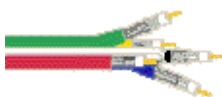


**1855S5 Coax - Bundled Miniature**

For more Information  
please call

1-800-Belden1

**Description:**

23 AWG solid .023" bare copper conductors, gas-injected foam HDPE insulation, Duofoil® (100% coverage) plus a tinned copper braid shield (95% coverage), individual PVC jackets.

**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 Risers

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 5      | 23  | Solid     | BC - Bare Copper   | .023       |

**Insulation****Insulation Material:**

| Insulation Material                                 | Dia. (in.) |
|---|------------|
| Gas-injected FHDPE - Foam High Density Polyethylene | .102       |

**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.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | .159            |

**Inner Jacket Color Code Chart:**

| Number | Color  |
|--------|--------|
| 1      | Red    |
| 2      | Green  |
| 3      | Blue   |
| 4      | White  |
| 5      | Yellow |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material |
|-----------------------|
| Unjacketed            |

**Overall Cable**

Overall Nominal Diameter: 0.429 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -35°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:      | 180 lbs.        |
| Min. Bend Radius (Install)/Minor Axis: | 5.500 in.       |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CMR        |
| CEC/C(UL) Specification:              | CMG        |
| 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): | 01/01/2004 |
| 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:                              | Mini       |

#### Flame Test

|                |                       |
|----------------|-----------------------|
| UL Flame Test: | UL1666 Vertical Shaft |
|----------------|-----------------------|

#### Suitability

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

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Inductance:

Inductance (µH/ft)

0.106

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.5

#### Nominal Velocity of Propagation:

VP (%)

83

#### Nominal Delay:

Delay (ns/ft)

1.24

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

20.1

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

7.6

**1855S5 Coax - Bundled Miniature****Nom. Attenuation:**

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1           | 0.4                      |
| 3.6         | 0.8                      |
| 10          | 1.2                      |
| 71.5        | 3.1                      |
| 135         | 3.8                      |
| 270         | 5.4                      |
| 360         | 6.2                      |
| 540         | 7.7                      |
| 720         | 9.1                      |
| 750         | 9.5                      |
| 1000        | 10.5                     |
| 1500        | 13.0                     |
| 2500        | 16.9                     |
| 3000        | 18.5                     |

**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                 | 625              | 20           |
| 625               | 675              | 15           |
| 675               | 850              | 20           |
| 850               | 4500             | 15           |

**Sweep Test****Sweep Testing:**

Sweep tested 5 MHz to 4.5 GHz.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

| Item #         | Putup    | Ship Weight | Color | Notes | Item Desc               |
|----------------|----------|-------------|-------|-------|-------------------------|
| 1855S5 0001000 | 1,000 FT | 102.000 LB  | NONE  |       | BONDED FILLER COMPOSITE |
| 1855S5 000500  | 500 FT   | 51.500 LB   | NONE  |       | BONDED FILLER COMPOSITE |

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