

**Picture
Not Available**



Description:

6 Coax - 25 AWG solid tinned copper conductors, gas-injected FHDPE insulation, Duobond® shield plus an interlocked serve shield, PVC jacket. 2 pairs - 22 AWG stranded (7x30) tinned copper conductors, PVC insul., Beldfoil® shield, drain wire, PVC jacket.

Usage (Overall)

Suitable Applications:

Projection Video, Projectors, Classroom, Room-to-Room AV, RGB, VGA, SVGA, XGA, SXGA, USGA, HDTV/m LCD, Plasma, Component Video, Video Mult., Composite Audio Video, Hybrid Component, Animation, Special Effects, RGB62, TGB6C/22-2P, High Resolution, HR + STP 22-175

Coax

Physical Characteristics

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 6 | 25 | Solid | TC - Tinned Copper | 0.018 |

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|---|------------|
| Gas-injected FHDPE - Foam High Density Polyethylene | 0.074 |

Inner Shield

Inner Shield Material:

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

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 0.114 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Red |
| 2 | Green |
| 3 | Blue |
| 4 | Yellow |
| 5 | Black |
| 6 | White |

Mechanical Characteristics

Min. Bend Radius (Install): 1.100 in.

Electrical Characteristics

Nom. Characteristic Impedance:

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

Nom. Inductance:

| Inductance (µH/ft) |
|--------------------|
| 0.087 |

Nom. Capacitance Conductor to Shield:

| Capacitance (pF/ft) |
|---------------------|
| 17.000 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 80.000 |

Nominal Delay:

| Delay (ns/ft) |
|---------------|
| 1.240 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 34.000 |

Nom. Inner Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 5.400 |

Minimum Return Loss:

| Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------------|------------------|--------------|
| 5.000 | 850.000 | 20.000 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1.000 | 0.520 |
| 5.000 | 1.170 |
| 50.000 | 3.700 |
| 100.000 | 4.900 |
| 200.000 | 6.700 |
| 400.000 | 9.500 |
| 750.000 | 13.400 |
| 900.000 | 15.000 |
| 1000.000 | 15.800 |
| 3000.000 | 31.200 |

Max. Operating Voltage - UL: 300 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2 | 22 | 7x30 | TC - Tinned Copper |

Insulation

Insulation Material:

| Insulation Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Twisted Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Black and Red |
| 2 | Black and Red |

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Inner Shield Drain Wire AWG:

5788AV Composite - Audio and Video Composite Cable

| AWG | Stranding | Conductor Material |
|-----|-----------|--------------------|
| 24 | Stranded | TC - Tinned Copper |

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 0.141 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Brown |
| 2 | Orange |

Mechanical Characteristics

Min. Bend Radius (Install): 1.500 in.

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/ft) |
|---------------------|
| 46.000 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 16.100 |

Nom. Inner Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 11.500 |

Max. Operating Voltage - UL:

| Voltage |
|-----------|
| 300 V RMS |

Max. Recommended Current:

| Current |
|-------------------------------|
| 2.8 Amps per conductor @ 25°C |

Physical Characteristics (Overall)

Conductor

Overall Cabling

Overall Cabling Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Red |
| 2 | Green |
| 3 | Blue |
| 4 | Yellow |
| 5 | Black |
| 6 | White |
| 7 | Brown |
| 8 | Orange |

Overall Nominal Diameter: 0.435 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

Separation Temperature Range: 0°C To +75°C

Bulk Cable Weight: 84 lbs/1000 ft.

Max. Recommended Pulling Tension: 185 lbs.

Min. Bend Radius (Install)/Minor Axis: 4.500 in.

5788AV Composite - Audio and Video Composite Cable

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): 02/13/2007

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 Riser

CSA Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 6788AV

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|-------------------------|
| 5788AV 0001000 | 1,000 FT | 90.000 LB | NONE | C | BONDED FILLER COMPOSITE |
| 5788AV 000250 | 250 FT | 24.000 LB | NONE | C | BONDED FILLER COMPOSITE |
| 5788AV 0091000 | 1,000 FT | 90.000 LB | WHITE | C | BONDED FILLER COMPOSITE |
| 5788AV 009250 | 250 FT | 24.500 LB | WHITE | C | BONDED FILLER COMPOSITE |

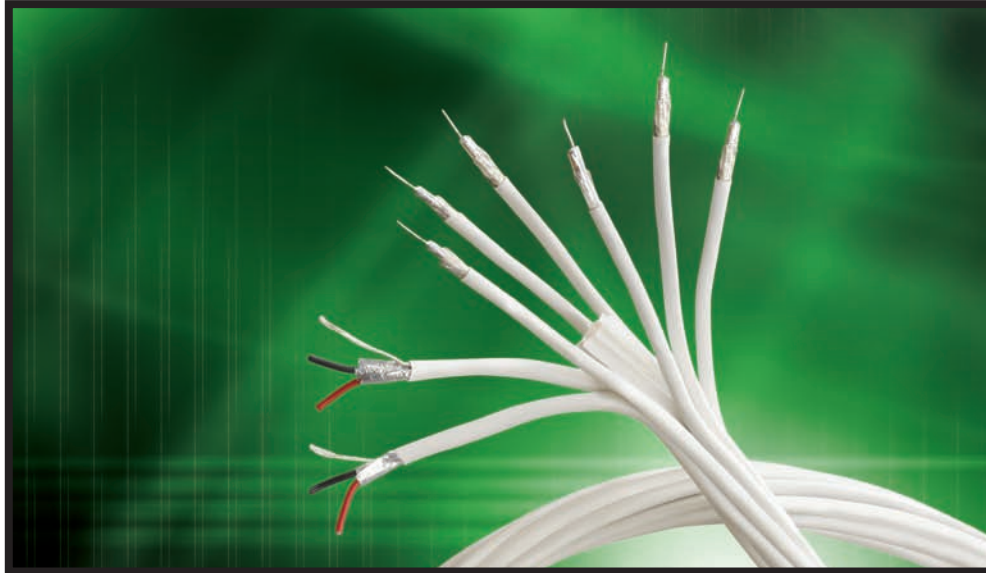
Notes:

C = CRATE REEL PUT-UP.

NP 272

Belden® Banana Peel® Projector Cables

Belden Projector Cables in a Banana Peel composite cable format, offer optimum flexibility and faster, easier installation break-outs for room-to-room Riser and Plenum Audio/Video applications.



Easy to Install, New Belden Banana Peel Projector Cables Support High Performance in Room-to-Room A/V Applications

As the demand for sophisticated multimedia systems continues to grow, so too does the need for easier-to-install composite Audio/Video Projector cables. Installers are frequently called upon to run inter-room cabling to support high-performance A/V communications systems in schools, universities, municipal buildings, houses of worship and commercial office spaces.

To meet market demand, Belden introduces its Banana Peel® Projector Cables, an innovative design combining both audio and video cable components within a single composite cable. Designed for use in modern, high-tech buildings, Banana Peel Projector Cables are extremely flexible and easy to handle, enabling installers to save time and labor by running multiple A/V cables simultaneously from room-to-room, where similarly equipped wall plates are desired in each room.

Within the composite Projector Cables, the video components include six Belden RG-59 type 75 Ohm Precision Video Mini Coax Cables (Product No. 1281R-Riser and 1282P-Plenum) for analog and digital video. Audio components include two Belden 22 AWG Shielded Twisted Pair Audio Cables featuring aluminum foil-bonded jackets for easy access to the positive, negative and shield drain wires.

Banana Peel Construction Means Faster Installation

Unlike conventional projector cables with overall jackets which are difficult to handle and add to the cables' fuel load, the new Projector Cables feature Belden's exclusive Banana Peel construction. In this design, individual cables are affixed to a central spline and are simply peeled off as needed for termination, making installation much faster and easier.


The Banana Peel construction also enables easier break-out of cables when the full bundle of eight components needs to be divided to run two smaller bundles to separate wall plates. Belden's coax cables offer true 75 Ohm impedance, are sweep-tested, and come with Return Loss assurance. In addition, the elimination of the outer jacket reduces the cables' total fuel load, making the Belden Projector Cables more suitable for in-wall and plenum use.

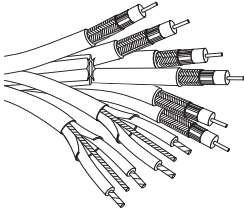
Banana Peel® Projector Cables

Inter-room Audio/Video Composites: 6 Mini Hi-res Coaxes + 2 Shielded Twisted Pairs
Riser- and Plenum-rated


| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths | | Standard Unit Weight | | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD | | Shielding Materials Nom. DCR | Overall Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Coax Nominal Attenuation | | |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|--------------------|----|---------------|--------------------|---------------------|------|--------------------------|------------|---------|
| | | | Ft. | m | Lbs. | kg | | Inch | mm | | Inch | mm | | | pF/Ft. | pF/m | MHz | dB/100 Ft. | dB/100m |

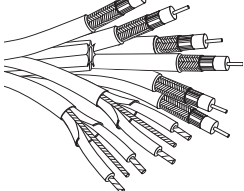
(6) Mini RG-59 Type RGB Coax (1281R Type) + (2) 22 AWG Audio Cables (5500FE Type) • (6) 25 AWG Solid Coax with Duobond® + TC Serve (95% Coverage) • (2) Jacketed 22 AWG STP Audio Cables

| Insulation: Gas-Injected Foam Polyethylene (Coax) and PVC (Pairs) | | | | | | | | | | | | | | | | | | | | |
|---|--|-----------------------------|-------------|----------------|----------------|---|--|--------------------------|---|--|------|------|----|-----|------|------|--------------------------------|---|--|---|
| UL 300V 75°C | 5788AV  | NEC: CMR CEC: CMG FT4 | 250 1000 | 152.4 304.8 | 108.5 232.0 | 49.3 105.5 | (6) Coax: 25 AWG (solid) .018" BC 31.8Ω/M' 104.3Ω/km | .074 Coax OD: .114 | 1.88 2.90 | Duobond + TC Serve 95% Shield Coverage 5.4Ω/M' 17.7Ω/km | .442 | 11.2 | 75 | 80% | 17.0 | 55.8 | 1 5 10 20 50 71 | .52 1.2 1.6 2.4 3.7 4.4 | 1.7 3.9 5.2 7.9 12.1 14.1 | |
| | | | | | | (2) Pairs: 22 AWG (7x30) .030" TC 14.1Ω/M' 46.2Ω/km | Pair OD: Pair OD: .135 | 3.43 3.43 | Each Pair: Beldfoil Shielded 100% Shield Coverage w/22 AWG 14.3Ω/M' 46.9Ω/km | | | | | N/A | N/A | 46.0 | 151.0 | 100 135 180 200 270 400 750 1000 2250 3000 | 4.9 5.6 6.4 6.7 7.7 9.5 13.4 15.8 26.1 31.2 | 16.1 18.4 21.0 22.0 25.2 31.1 44.0 51.8 85.6 102.3 |



(6) Mini RG-59 Type RGB Coax (1282P Type) + (2) 22 AWG Audio Cables (6500FE Type) • (6) 25 AWG Solid Coax with Duobond® + TC Serve Shield (95% Coverage) • (2) Jacketed 22 AWG STP Audio Cables

| Insulation: Low Smoke Foam Fluoropolymer (Coax) and LS-PVC (Pairs) | | | | | | | | | | | | | | | | | | | | |
|--|--|-----------------------------|-------------|----------------|----------------|---|--|--------------------------|---|--|------|------|----|-----|------|------|--------------------------------|---|--|---|
| UL 300V 75°C | 6788AV  | NEC: CMP CEC: CMP FT6 | 250 1000 | 152.4 304.8 | 108.5 232.0 | 49.3 105.5 | (6) Coax: 25 AWG (solid) .018" BC 31.8Ω/M' 104.3Ω/km | .074 Coax OD: .114 | 1.88 2.90 | Duobond + TC Serve 95% Shield Coverage 5.4Ω/M' 17.7Ω/km | .433 | 11.0 | 75 | 80% | 17.0 | 55.8 | 1 5 10 20 50 71 | .52 1.2 1.6 2.4 3.7 4.5 | 1.7 3.9 5.2 7.9 12.1 14.8 | |
| | | | | | | (2) Pairs: 22 AWG (7x30) .030" TC 14.1Ω/M' 46.2Ω/km | Pair OD: Pair OD: .135 | 3.43 3.43 | Each Pair: Beldfoil Shielded 100% Shield Coverage w/22 AWG 14.3Ω/M' 46.9Ω/km | | | | | N/A | N/A | 46.0 | 151.0 | 100 135 180 200 270 400 750 1000 2250 3000 | 4.9 5.6 6.3 6.7 7.7 9.5 13.4 15.8 23.5 31.2 | 16.1 18.2 21.3 22.0 25.4 31.2 44.0 51.8 77.0 102.4 |



BC = Bare Copper • DCR = DC Resistance • LS = Low Smoke • STP = Shielded Twisted Pairs • TC = Tinned Copper
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1.800.BELDEN.1**. Request quotations of cables not listed.

Circuit Identification

- 009:** White jackets (all components) with printed identification
- 000:** Coax: Red, Green, Blue, Yellow, Black, White
Audio: Brown, Orange

Suitable Coax Connectors

- BNC:** 1B25A
- RCA:** 1R25A