

## 5788AV Composite - Audio and Video Composite Cable

**Picture  
Not Available**

For more Information  
please call

1-800-Belden1



### General Description:

Video Cable, Riser-CMR, 6-25 AWG solid tinned copper, foam polyethylene insulation, Duobond®+95% tinned copper interlocked serve, PVC jacket, 2 pairs - 22 AWG stranded tinned copper, PVC insul., Beldfoil® shield, drain wire, PVC jacket, overall PVC jacket.

### Usage (Overall)

Suitable Applications:

Projection Video, Projectors, Classroom, Room-to-Room AV, RGB, VGA, SVGA, XGA, SXGA, USGA, HDTVM 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:

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)
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## 5788AV Composite - Audio and Video Composite Cable

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 Cable

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/Minor Axis: 4.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

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): 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

Applicable Patents:

Country

www.belden.com/p

#### 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:

## 5788AV Composite - Audio and Video Composite Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5788AV 0001000	1,000 FT	90.000 LB	NONE	C	6XRG59 MINI#25+2P22 FS CMR BP
5788AV 000250	250 FT	24.500 LB	NONE	C	6XRG59 MINI#25+2P22 FS CMR BP

**Notes:**

C = CRATE REEL PUT-UP.

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