

5788AV Composite - Audio and Video Composite Cable
 For more Information
 please call

1-800-Belden1


**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, 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:

5788AV Composite - Audio and Video Composite Cable

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 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 (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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5788AV 000250	250 FT	24.500 LB	NONE	C	BONDED FILLER COMPOSITE

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 04-16-2008

© 2012 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.