

6788AV Composite - Audio and Video Composite Cable
 For more Information
 please call

1-800-Belden1


**Picture
Not Available**
General Description:

6 Coax - 25 AWG solid tinned copper conductors, FPFA insulation, Duobond® shield plus an interlocked serve shield, Flammarrest® jacket. 2 pairs - 22 AWG stranded (7x30) tinned copper conductors, Flammarrest® insul., Beldfoil® shield, drain wire, Flammarrest® 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, RGB62TS, RGB6C/22-2P-PLN, High Resolution, HR + STP

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.)
FPFA - Foam Perfluoroalkoxy	0.074

Inner Shield**Inner Shield Material:**

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

Inner Jacket**Inner Jacket Material:**

Inner Jacket Trade Name	Inner Jacket Material	Nom. Dia. (in.)
Flammarrest®	LS PVC - Low Smoke 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:

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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 Trade Name	Insulation Material
Flamarrest®	LS PVC - Low Smoke 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:

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AWG	Stranding	Conductor Material
24	Stranded	TC - Tinned Copper

Inner Jacket

Inner Jacket Material:

Inner Jacket Trade Name	Inner Jacket Material	Nom. Dia. (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.134

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: 0.426 in.

Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 82 lbs/1000 ft.

Max. Recommended Pulling Tension: 185 lbs.

Min. Bend Radius/Minor Axis: 4.500 in.

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
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

Flame Test

UL Flame Test:	NFPA 262 Plenum Flame Test (UL910)(FT6)
CSA Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5788AV

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6788AV 0001000	1,000 FT	99.000 LB	NONE	C	BONDED FILLER COMPOSITE
6788AV 000250	250 FT	26.750 LB	NONE	C	BONDED FILLER COMPOSITE
6788AV 009250	250 FT	26.750 LB	WHITE	C	BONDED FILLER COMPOSITE

Notes:

C = CRATE REEL PUT-UP.

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