METRIC MEASUREMENT VERSION



6788AV Composite - Audio and Video Composite Cable

Picture Not Available

For more Information please call

1-800-Belden1



General Description:

Video Cable, Plenum-CMP, 6-25 AWG solid tinned copper, foam FEP insulation, Duobond®+95% tinned copper interlocked serve, Flamarrest® jacket, 2 pairs - 22 AWG stranded tinned copper, Flamarrest® insul., Beldfoil® shield, drain wire, Flamarrest® jacket, overall Flamarrest® 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. (mm)
6	25	Solid	TC - Tinned Copper	0.457

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPFA - Foam Perflouoroalkoxy	1.880

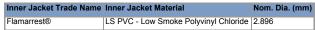
Inner Shield

Inner Shield Material:

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

Inner Jacket

Inner Jacket Material:



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): 27.940 mm

Electrical Characteristics Impedance (Ohm)

Nom. Characteristic Impedance:

Nom. Inductance:

Inductance (µH/m)

Nom. Capacitance Conductor to Shield:

55.777

Nominal Velocity of Propagation:

80.000

Nominal Delay:

Page 1 of 4 11-05-2015

METRIC MEASUREMENT VERSION



6788AV Composite - Audio and Video Composite Cable

Delay (ns/m) 4.068 lom. Conductor

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 111.554

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km) 17.717

Minimum Return Loss:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.706
5.000	3.839
50.000	12.140
100.000	16.077
200.000	21.983
400.000	31.170
750.000	43.965
900.000	49.215
1000.000	51.840
3000.000	102.367

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®	Таре	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

	_	Conductor Material
24	Stranded	TC - Tinned Copper

Inner Jacket

Inner Jacket Material:

Inner Jacket Trade Name	Inner Jacket Material	Nom. Dia. (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	3.404

Inner Jacket Color Code Chart:

Number	Color
1	Brown
2	Orange

Mechanical Characteristics

Min. Bend Radius (Install): 38.100 mm

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 150.926

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

Page 2 of 4 11-05-2015

METRIC MEASUREMENT VERSION



6788AV Composite - Audio and Video Composite Cable

52.824 Nom. Inner Shield DC Resistance: DCR @ 20°C (Ohm/km) 37.732 Max. Operating Voltage - UL: 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 Green Blue Yellow Black White Brown Orange **Overall Nominal Diameter:** 10.820 mm **Mechanical Characteristics (Overall)** 0°C To +75°C **Operating Temperature Range:** 0°C To +75°C Separation Temperature Range: **Bulk Cable Weight:** 122.032 Kg/Km Max. Recommended Pulling Tension: 822.917 N Min. Bend Radius/Minor Axis: 114.300 mm **Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs** NEC/(UL) Specification: CMP CEC/C(UL) Specification: CMP 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): 02/13/2007 EU RoHS Compliance Date (mm/dd/yyyy):

CA Prop 65 (CJ for Wire & Cable): MII Order #39 (China RoHS): Applicable Patents: Country

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EU Directive 2002/96/EC (WEEE):

EU Directive 2003/11/EC (BFR):

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

Yes

Yes

Yes

Yes

Put Ups and Colors:

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

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 02-28-2014

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

Page 4 of 4 11-05-2015