

5788AV Composite - Audio and Video Composite Cable

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. (mm)
6	25	Solid	TC - Tinned Copper	0.457

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	1.880

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. (mm)
PVC - Polyvinyl Chloride	2.896

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

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

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Inductance (μH/m)

0.285

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

55.777

Nominal Velocity of Propagation:

VP (%)

80.000

Nominal Delay:

Delay (ns/m)

4.068

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:

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

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 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:

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AWG	Stranding	Conductor Material
24	Stranded	TC - Tinned Copper

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	3.581

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)
52.824

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
37.732

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: 11.049 mm

Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 125.009 Kg/Km

Max. Recommended Pulling Tension: 822.917 N

Min. Bend Radius/Minor Axis: 114.300 mm

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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:

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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