

1277P Coax - Mini Hi-Res Component Video Cable

For more Information
please call

1-800-Belden1

**General Description:**

25 AWG solid .018" tinned copper conductors, FPFA insulation, Duobond® foil plus a tinned copper interlocked serve shield (95% coverage), PVDF inner jackets, PVC jacket.

Usage (Overall)**Suitable Applications:**

RGB Projectors, LCD Projectors, Video Distribution, Component Video, Graphic Displays, Special Effects Editing, Animation, Video Post Production, Home Theater, Offices, Boardrooms, Auditoriums, Teleconferencing, Theaters

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
3	25	Solid	TC - Tinned Copper	0.4572

Total Number of Conductors: 3

Insulation**Insulation Material:**

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

Inner Shield**Inner Shield Material:**

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

Inner Jacket**Inner Jacket Material:**

Inner Jacket Material	Nom. Dia. (mm)
PVDF - Fluorocopolymer	2.8194

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 7.010 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

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Bulk Cable Weight:	56.552 Kg/Km
Max. Recommended Pulling Tension:	222.410 N
Min. Bend Radius (Each Coax):	27.940 mm
Min. Bend Radius (Overall):	69.850 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:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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
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Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1277R

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (μH/m)
0.285447

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
55.1208

Nominal Velocity of Propagation:

VP (%)
81

Nominal Delay:

Delay (ns/m)
4.13406

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
111.554

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
17.7174

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Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.6405
5	3.9372
50	12.4678
100	17.0612
200	23.2951
400	32.81
750	46.9183
1000	55.4489
2250	83.6655
3000	111.226

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	850	20

Sweep Test

Sweep Testing: 5 - 850 MHz

Misc. Information (Overall)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1277P 0081000	305 MT	18.597 KG	GRAY	C	3 #25 FPFA SH FLRST FLRST
1277P 008500	152 MT	9.299 KG	GRAY	C	3 #25 FPFA SH FLRST FLRST

Notes:

C = CRATE REEL PUT-UP.

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