

1279R Coax - Mini Hi-Res Component Video Cable

For more Information
please call

1-800-Belden1



General Description:

25 AWG solid tinned copper conductors, Gas-injected FHDPE insulation, Duobond® foil plus a tinned copper interlocked serve shield (95% coverage), PVC inner jacket, 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. (in.)
5	25	Solid	TC - Tinned Copper	.018

Total Number of Conductors: 5

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 Lightly bonded to dielectric	100
2		Interlocked Serve	TC - Tinned Copper	95

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.114

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue
4	Yellow
5	Black

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.382 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

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UL Temperature Rating:	60°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	71 lbs/1000 ft.
Max. Recommended Pulling Tension:	130 lbs.
Min. Bend Radius (Each Coax):	1.100 in.
Min. Bend Radius (Overall):	3.750 in.

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:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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 Vertical Shaft
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Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

.087

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.0

Nominal Velocity of Propagation:

VP (%)

80

Nominal Delay:

Delay (ns/ft)

1.24

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

34

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

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5.4

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.52
5	1.17
50	3.7
100	4.9
200	6.7
400	9.5
750	13.4
900	15.0
1000	15.8
3000	31.2

Max. Operating Voltage - 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
1279R B591000	1,000 FT	76.000 LB	BLACK, MATTE	C	5#25LDPE/GIFHDLDP SH FRPVCPCVC
1279R B59250	250 FT	21.250 LB	BLACK, MATTE	C	5#25LDPE/GIFHDLDP SH FRPVCPCVC
1279R B59500	500 FT	39.500 LB	BLACK, MATTE	C	5#25LDPE/GIFHDLDP SH FRPVCPCVC

Notes:

C = CRATE REEL PUT-UP.

Test Reports

a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

Revision Number: 5 Revision Date: 08-10-2012

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