# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 1277R Coax - Mini Hi-Res Component Video Cable



For more Information please call

1-800-Belden1



#### **General Description:**

25 AWG solid .018" tinned copper conductors, Gas-injected FHDPE insulation, Duobond® (100% coverage) plus a tinned copper interlocked serve shield (95% coverage), inner PVC jacket, overall PVC jacket.

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### **Usage (Overall)**

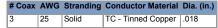
Suitable Applications:

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:



Total Number of Conductors:

#### Insulation

#### Insulation Material:



### Inner Shield

#### Inner Shield Material:

Layer #	Inner Shield Trade Name	Туре	Inner Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Aluminum Foil-Polyester Tape Lightly bonded to dielectric	100
2		Braid	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

#### **Outer Jacket**

### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### **Overall Cable**

Overall Nominal Diameter: 0.320 in.

#### **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +75°C			
UL Temperature Rating:	60°C			
Non-UL Temperature Rating:	75°C			
Bulk Cable Weight:	44 lbs/1000 ft.			
Max. Recommended Pulling Tension:	90 lbs.			
Min. Bend Radius (Each Coax):	1.100 in.			
Min. Bend Radius (Overall):	2.500 in.			

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olicable 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	
ne Test		
UL Flame Test:	UL1666 Vertical Shaft	
tability		

Nom. Characteristic Impedance:

Impedance	(Ohm)
75	

Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:

**VP (%)** 

Nominal Delay:

Delay (ns/ft)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 34

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 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

Max. Operating Voltage - Non-UL:

Voltage 300 V RMS

Minimum Return Loss:

Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Min. RL (dB)

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|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
1277R B591000	1,000 FT	48.000 LB	BLACK, MATTE	С	3#25LDPE/GIFHDLDPE SH FRPVCPVC
1277R B59500	500 FT	25.500 LB	BLACK, MATTE	С	3#25LDPE/GIFHDLDPE SH FRPVCPVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 04-11-2008

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