## **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.

3

#### **Usage (Overall)**

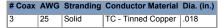
Suitable Applications:

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:



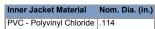
#### Inner Shield

#### 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 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)**

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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.		

Page 1 of 3 04-18-2017

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

CMR			
CMG			
Yes			
No			
Yes			
Yes			
01/01/2004			
Yes			
UL1666 Vertical Shaft			

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:

**VP (%)** 

Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 34

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

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)

Page 2 of 3 04-18-2017

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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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Page 3 of 3 04-18-2017

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**Authorized Distributor** 

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Belden Wire & Cable: 1277R B591000 1277R B59500