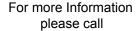
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1277R Coax - Mini Hi-Res Component Video Cable



1-800-Belden1



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.

Usage (Overall)

Suitable Applications:

RGB Projectors, LCD Projectors, Video Distribution, Component Video,

Opening Projectors, Fifting Advised for Notice Part Residue (Projectors)

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.)
3	25	Solid	TC - Tinned Copper	.018

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		Type	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

Detailed Specifications & Technical Data





1277R Coax - Mini Hi-Res Component Video Cable

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.	

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
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

Suitability

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



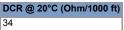
Nominal Velocity of Propagation:



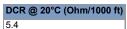
Nominal Delay:



Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.52
5	1.17
50	3.7
100	4.9
200	6.7



Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1277R Coax - Mini Hi-Res Component Video Cable

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)
		5	850	20

Sweep Test

Sweep Testing: 5 - 850 MHz

Misc. Information (Overall)

Related Documents:

No related documents are available for this product

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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