

1277R Coax - Bundled RGB Coaxial Cable

	<p>Metric Version For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

3 coaxes. Each coax 25 AWG solid .018" tinned copper conductor, gas-injected foam HDPE insulation, Duobond® and a 95% tinned copper interlocked serve shields, inner PVC jackets, overall PVC jacket.

SUITABLE APPLICATIONS:

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:

CONDUCTOR:

Number of Coax	3
Total Number of Conductors	3
AWG	25
Stranding	Solid
Conductor Diameter	0.457 mm
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	Gas-injected FHDPE - Foam High Density Polyethylene
Insulation Diameter	1.88 mm

INNER SHIELD:

Inner Shield Material Trade Name	Duobond®
Inner Shield Type	Tape/Interlocked Serve

Inner Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Bonded Duofoil®	Tape	Aluminum Foil-Polyester Tape Lightly bonded to dielectric	100
2		Braid	TC - Tinned Copper	95

Inner Shield %Coverage	100 %
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INNER JACKET:

Inner Jacket Material	PVC - Polyvinyl Chloride
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Inner Jacket Diameter	2.896 mm
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Inner Jacket Color Code Chart :

Number	Color
1	Red
2	Green
3	Blue

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	8.128 mm
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +75°C
UL Temperature Rating	60°C
Non-UL Temperature Rating	75°C
Bulk Cable Weight	65.481 Kg/Km
Max. Recommended Pulling Tension	400.338 N
Min Bend Radius (Each Coax)	27.94 mm
Min. Bend Radius (Overall)	63.5 mm

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

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

FLAME TEST:

UL Flame Test	UL1666 Vertical Shaft
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SUITABILITY:

Suitability - Indoor	Yes - Risers
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	0.285 µH/m
Nom. Capacitance Conductor to Shield	55.777 pF/m
Nominal Velocity of Propagation	80 %
Nominal Delay	4.068 ns/m
Nom. Conductor DC Resistance @ 20 Deg. C	111.554 Ohms/km



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Nom. Inner Shield DC Resistance: 17.717 Ohms/km

Minimum Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Return Loss (dB)
		5	850	20

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100m)
	1			1.706
	5			3.839
	50			12.14
	100			16.077
	200			21.983
	400			31.169
	750			43.965
	900			49.215
	1000			51.84
	3000			102.367

Max. Operating Voltage - UL 300 V RMS

Max. Operating Voltage - Non-UL 300 V RMS

PUT-UPS AND COLORS:

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
1277R B591000	3#25LDPE/GIFHDL DPE SH FRPVC PVC	304.8	21.792	BLACK, MATTE	C
1277R B59500	3#25LDPE/GIFHDL DPE SH FRPVC PVC	152.4	11.577	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 10-15-2004

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1279R Coax - Bundled RGB Coaxial Cable



Description:

5 coaxes. Each coax 25 AWG solid .018" tinned copper conductors, gas-injected foam FPE insulation, Duobond® and 95% tinned copper interlocked serve shields, inner PVC jackets, overall PVC jacket.

SUITABLE APPLICATIONS:

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:

CONDUCTOR:

Number of Coax	5
Total Number of Conductors	5
AWG	25
Stranding	Solid
Conductor Diameter	0.457 mm
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	Gas-injected FHDPE - Foam High Density Polyethylene
Insulation Diameter	1.88 mm

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Inner Shield Material Trade Name	Duobond®
Inner Shield Type	Tape/Interlocked Serve

Inner Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
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2		Interlocked Serve	TC - Tinned Copper	95

Inner Shield %Coverage	100 %
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INNER JACKET:

Inner Jacket Material	PVC - Polyvinyl Chloride
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Inner Jacket Diameter	2.896 mm
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Inner Jacket Color Code Chart :

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

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	10.236 mm
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +75°C
UL Temperature Rating	60°C
Non-UL Temperature Rating	75°C
Bulk Cable Weight	105.662 Kg/Km
Max. Recommended Pulling Tension	578.266 N
Min Bend Radius (Each Coax)	27.94 mm
Min. Bend Radius (Overall)	88.9 mm

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMR
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FLAME TEST:

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SUITABILITY:

Suitability - Indoor	Yes
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C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-29-2004

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