



Description:

25 AWG solid tinned copper conductors, Gas-injected FHDPE insulation, Duobond® foil plus a tinned copper interlocked serve shield (100% 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

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 Cabling

Overall Nominal Diameter: 0.382 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C

1279R Coax - Mini Hi-Res Component Video Cable

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):	4 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

Suitability - Indoor:	Yes
-----------------------	-----

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

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)

5.4

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1279R Coax - Mini Hi-Res Component Video Cable

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)

Other Description: Corrected outer diameter. Corrected color code.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1279R B591000	1,000 FT	80.000 LB	BLACK, MATTE	C	5#25LDPE/GIFHDL DPE SH FRPVC PVC
1279R B59250	250 FT	17.750 LB	BLACK, MATTE	C	5#25LDPE/GIFHDL DPE SH FRPVC PVC
1279R B59500	500 FT	40.500 LB	BLACK, MATTE	C	5#25LDPE/GIFHDL DPE SH FRPVC PVC

Notes:

C = CRATE REEL PUT-UP.

Bundled RGB Cable

CM, CMR and CMP Rated



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

26 AWG Stranded (7x34) .019" BC Conductor • Duofoil® (100% Coverage) + TC Braid Shield (93% Coverage) • Overall Polyester Tape

Foam HDPE Insulation • Inner PVC Jacket (Color Code: See Chart Below) • Overall Black PVC Jacket

	UL AWM Styles 1354 and 2668 (30V 60°C)	1164B	NEC:	3	500	152.4	38.0	17.2	26 AWG (7x34)	.090	2.29	Duofoil	.388	9.86	75	78%	17.3	56.7	1	.6	2.0			
			CM	1000	304.8	78.0	35.5	41.5Ω/M'	Coax OD: + 93%	TC Braid	.146	3.71	28.2Ω/km							5	1.3	4.3		
			CEC:																		10	1.8	5.9	
			CM																		30	3.1	10.2	
																						50	3.9	12.8
																						100	5.4	17.7
																						200	7.5	24.6
																						400	10.4	34.1
																						700	13.5	44.3
																						900	15.2	49.9
																			1000	15.9	52.2			
		1167B	NEC:	4	1000	304.8	105.0	47.7	same as above	.090	2.29	same as above	.455	11.56										
			CM																					
			CEC:																					
			CM																					
		1418B	NEC:	5	500	152.4	61.5	27.9	same as above	.090	2.29	same as above	.477	12.12										
			CM	1000	304.8	119.0	54.0																	
			CEC:																					
			CM																					

Color Code Chart

Cond.	Color	Cond.	Color
1	Red	4	White
2	Green	5	Yellow
3	Blue		

25 AWG Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + Tinned Copper Interlocked Serve Shield (95% Coverage)

FPFA Insulation • Inner PVC Jacket (Color Code: See chart below) • Overall Black PVC Jacket

	300V RMS 60°C	1277R <small>new</small>	NEC:	3	500†	152.4	25.5	11.6	25 AWG (solid)	.074	1.88	Duobond	.320	8.13	75	80%	17.0	55.8	1	.5	1.7			
			CMR	1000†	304.8	48.0	21.8	34.0Ω/M'	Coax OD: + 95%	TC Braid	.114	2.90	17.7Ω/km							5	1.2	3.8		
			CEC:																		50	3.7	12.1	
			CMG																		100	4.9	16.1	
																						200	6.7	22.0
																						400	9.5	31.2
																						750	13.4	44.0
																						900	15.0	49.2
																						1000	15.8	51.8
																						3000	31.2	102.4
		1278R <small>new</small>	NEC:	4	250	76.2	21.8	9.9	same as above	.074	1.88	same as above	.351	8.92										
			CMR	500†	152.4	31.5	14.3																	
			CEC:	1000†	304.8	60.0	27.2																	
			CMG																					
		1279R <small>new</small>	NEC:	5	500†	152.4	40.5	18.4	same as above	.074	1.88	same as above	.403	10.24										
			CMR	1000†	304.8	80.0	36.3																	
			CEC:																					
			CMG																					
		1280R <small>new</small>	NEC:	6	500†	152.4	44.0	20.0	same as above	.074	1.88	same as above	.423	10.74										
			CMR	1000†	304.8	87.0	39.5																	
			CEC:																					
			CMG																					

100% Sweep tested. 5 MHz to 850 MHz.
See page 6.34 for single coax versions.

Color Code Chart

Cond.	Color	Cond.	Color
1	Red	4	Yellow
2	Green	5	Black
3	Blue	6	White

Plenum • FPFA Insulation • Inner Fluorocopolymer Jacket (Color Code: See chart below) • Overall Gray PVC Jacket

	300V RMS 60°C	1277P <small>new</small>	NEC:	3	500	152.4	19.0	9.8	25 AWG (solid)	.074	1.91	Duobond	.276	7.01	75	81%	16.8	55.1	1	.5	1.6			
			CMP	1000	304.8	41.0	19.5	34.0Ω/M'	Coax OD: + 95%	TC Braid	.111	2.92	17.7Ω/km							5	1.2	3.9		
			CEC:																		50	3.8	12.5	
			CMP																		100	5.2	17.1	
																						200	7.1	23.3
																						400	10.0	32.8
																						750	14.3	46.9
																						1000	16.9	55.4
					1278P <small>new</small>	NEC:	4	500	152.4	27.0	12.7	same as above	.074	1.91	same as above	.304	7.72							
						CMP	1000	304.8	52.0	24.1														
			CEC:																					
			CMP																					
		1279P <small>new</small>	NEC:	5	250	76.2	19.0	8.6	same as above	.074	1.91	same as above	.335	8.51										
			CMP	500	152.4	34.0	15.9																	
			CEC:	1000	304.8	68.0	31.3																	
			CMP																					
		1280P <small>new</small>	NEC:	6	500	152.4	39.0	17.7	same as above	.074	1.91	same as above	.369	9.37										
			CMP	1000	304.8	79.0	35.9																	
			CEC:																					
			CMP																					

100% Sweep tested. 5 MHz to 850 MHz.
See page 6.34 for single coax versions.

Color Code Chart

Cond.	Color	Cond.	Color
1	Red	4	Yellow
2	Green	5	Black
3	Blue	6	White

BC = Bare Copper • DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper

†Spools are one piece, but length may vary ±10% from length shown.

