

RGB Component Video Cable

Bundled RGB Coaxial Cables Miniature and High-Flex Type



RGB coaxial cables are used for sending red, green and blue signals through separate coaxes in COMPONENT video applications. This type of video transmission provides a sharper, clearer picture than does the composite video format. COMPONENT video and RGB cabling is ideal for use in graphics, animation and computer display applications.

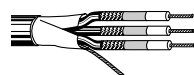
These bundled coaxial cables are available in 3, 4, 5 and 6 conductor versions and are color coded for easy identification. Cable selection depends on whether the component transmission

is RGB (3 conductor), RGB and Sync (4 conductor), or RGB, Sync and Hold (5 conductor). 6 conductor designs are used for digital audio (AES 3id) and SPDIF (Sony-Phillips Digital Interface) applications, and for specialized component video, multi-channel video, or combination applications.

All Belden® RGB cables are pre-timed to less than 5.0 ns/100 ft. delay difference between each coax. This allows for cut-and-connect installation with no TDR or Vectorscope timing required.


Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter	Nominal Core OD		Shielding Materials	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.

Miniature • 30 AWG Stranded (7x38) .012" TC Conductors • Coax: Duofoil® (100% Cov.) + TC Braid (90% Cov.) • Overall Beldfoil® Shield
Foam HDPE Insulation • Inner PVC Jackets (Color Code: See chart below) • **Overall Black PVC Jacket**

 UL AWM Style 1354 (30V 60°C)	1520A	NEC: CL2	3	500	152.4	23.0	10.4	30 AWG (7x38) .012" TC 100.0Ω/M' 328.0Ω/km	.056	1.42	Coaxes: Duofoil + 90% TC Braid Overall: Beldfoil 9.5Ω/M' 31.2Ω/km	.283	7.19	75	78%	17.3	56.7	1	.8	2.6
				1000	304.8	50.0	22.7		.102	2.59		5	1.5					4.9		
												10	2.2					7.2		
												30	4.0					13.1		
																	50	5.4	17.7	
																		100	8.2	26.9
																		200	12.5	41.0
																		400	18.9	62.0
																		700	26.5	86.9
																		900	30.8	101.0
																		1000	32.8	107.6
	1521A	NEC: CL2	4	500	152.4	31.0	14.1	same as above	.056	1.42	same as above	.310	7.87							
				1000	304.8	60.0	27.3		Coax OD: .102	2.59										
	1522A	NEC: CL2	5	500	152.4	34.5	15.6	same as above	.056	1.42	same as above	.338	8.59							
				1000	304.8	67.0	30.4		Coax OD: .102	2.59										

High-Flex • 26 AWG Stranded (7x34) .019" Bare Copper Conductors • Duofoil (100% Coverage) + TC Braid Shield (93% Coverage)

Foam HDPE Insulation • Inner PVC Jackets (Color Code: See chart below) • **Overall Matte Black PVC Jacket**

 60°C	1406B	—	3	1000†	304.8	79.0	35.8	26 AWG (7x34) .019" BC 41.5Ω/M' 136.0Ω/km	.089	2.29	Duofoil + 93% TC Braid 8.6Ω/M' 28.2Ω/km	.388	9.86	75	78%	17.3	56.7	1	.6	2.0
												5	1.3					4.3		
												10	1.8					5.9		
												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
	1407B	—	4	1000†	304.8	100.0	45.5	same as above	.089	2.29	same as above	.455	11.56							
									Coax OD: .146	3.71										
	1417B	—	5	1000†	304.8	110.0	49.9	same as above	.089	2.29	same as above	.477	12.12							
									Coax OD: .146	3.71										

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

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

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

Color Code Chart

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



RGB Component Video Cable

Bundled RGB Coaxial Cables

CM 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.

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

Foam HDPE Insulation • Inner PVC Jackets (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)	.089	2.29	Duofoil	.388	9.86	75	78%	17.3	56.7	1	.6	2.0				
			CM		1000 [†]	304.8	78.0	35.5			Coax OD:		+ 93%								5	1.3	4.3		
											.019"	.146	3.71	TC Braid								10	1.8	5.9	
											BC			8.6Ω/M'								30	3.1	10.2	
											41.5Ω/M'			28.2Ω/km									50	3.9	12.8
											136.1Ω/km												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	.089	2.29	same as above	.455	11.56											
			CM							Coax OD:															
										.146	3.71														
		1418B	NEC:	5	500 [†]	152.4	61.5	27.9	same as above	.089	2.29	same as above	.477	12.12											
			CM		1000 [†]	304.8	119.0	54.0		Coax OD:															
										.146	3.71														

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

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

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

Color Code Chart

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



RGB Component Video Cable

Miniature Hi-Res Component Video Cables

CMR and CMP Rated



19 • Brilliance® Broadcast

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

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

Gas-injected Foam HDPE Insulation • Black PVC Jacket																					
	1281R	NEC:	1	1000	304.8	8.0	3.6	25 AWG (solid)	.074	1.88	Duobond (100%)	.114	2.90	75	80%	17.0	55.8	1	.5	1.7	
	new	CMR						.018" TC			+ TC Braid							5	1.2	3.8	
		CEC:							34.0Ω/M'			5.4Ω/M'							50	3.7	12.1
		CMG							111.6Ω/km			17.7Ω/km							100	4.9	16.1
																			200	6.7	22.0
																			400	9.5	31.2
																			700	13.4	44.0
																		900	15.0	49.2	
																		1000	15.8	51.8	
																		3000	31.2	102.4	

Plenum • PFPA Insulation • Black Flamarrest® Jacket																					
	1282P	NEC:	1	1000	304.8	10.0	4.5	25 AWG (solid)	.074	1.88	Duobond (100%)	.114	2.90	75	81%	17.0	55.8	1	.4	1.3	
	new	CMP						.018" TC			+ TC Braid							5	.9	3.0	
		CEC:							31.8Ω/M'			5.8Ω/M'							50	3.7	12.1
		CMP FT6							104.3Ω/km			19.0Ω/km							100	5.0	16.4
																			200	7.0	23.0
																			400	10.0	32.8
																			700	14.5	47.6
																		900	17.0	55.8	
																		1000	17.5	57.4	
																		3000	37.0	121.4	

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

PFPA Insulation • PVC Inner Jackets (Color Code: See chart below) • Overall Black Matte PVC Jacket																					
	1277R	NEC:	3	500	152.4	25.5	11.6	25 AWG (solid)	.074	1.88	Duobond (100%)	Single: .114	2.90	75	80%	17.0	55.8	1	.5	1.7	
	new	CMR		1000	304.8	48.0	21.8	.018" TC			+ TC Serve	Overall: .320	8.13					5	1.2	3.8	
		CEC:							34.0Ω/M'			5.4Ω/M'							50	3.7	12.1
		CMG							111.6Ω/km			17.7Ω/km							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	

Bundled version of 1281R.
100% Sweep Tested. 5 MHz to 850 MHz.
Guaranteed Return Loss -20dB Max.

Plenum • PFPA Insulation • PVDF Inner Jackets (Color Code: See chart below) • Overall Gray PVC Jacket																					
	1277P	NEC:	3	500	152.4	19.0	8.6	25 AWG (solid)	.074	1.88	Duobond (100%)	Single: .111	2.82	75	81%	16.8	55.1	1	.5	1.6	
	new	CMP		1000	304.8	41.0	18.6	.018" TC			+ TC Serve	Overall: .276	7.01					5	1.2	3.9	
		CEC:							34.0Ω/M'			5.4Ω/M'							50	3.8	12.5
		CMP							111.6Ω/km			17.7Ω/km							100	5.2	17.1
																			200	7.1	23.3
																			400	10.0	32.8
																			750	14.3	46.9
																		1000	16.9	55.5	
																		2250	25.5	83.7	
																		3000	33.9	111.2	

Bundled version of 1282P.
100% Sweep Tested. 5 MHz to 850 MHz.
Guaranteed Return Loss -20dB Max.

DCR = DC Resistance • PFPA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • PVDF = Fluorocopolymer • TC = Tinned Copper
Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference: **1-800-BELDEN-1**.
Request quotations of cables not listed.

Jacket Color Code Chart:			
Cond.	Color	Cond.	Color
1	Red	4	Yellow
2	Green	5	Black
3	Blue	6	White

RGB Component Video Cable

Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video
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.

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

Gas-injected Foam HDPE Insulation • PVC Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket

	1281S3 <small>new</small>	NEC: CMR CEC: CMG	3	500 [†] 1000 [†]	152.4 304.8	17.0 31.0	7.7 14.1	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.074	1.88	Duobond (100%) + TC Serve (95%) 5.4Ω/M' 17.7Ω/km	Single: .114 2.90 Overall: .246 6.25	75	80%	17.0	55.8	1 5 50 100 200 400 750 900 1000 3000	.52 1.2 3.7 4.9 6.7 9.5 13.4 15.0 15.8 31.2	1.6 3.8 12.1 16.1 22.0 31.2 44.0 49.2 51.8 102.4
	1281S4 <small>new</small>	NEC: CMR CEC: CMG	4	500 [†] 1000 [†]	152.4 304.8	23.5 44.0	10.7 20.0	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .275 6.99							
	1281S5 <small>new</small>	NEC: CMR CEC: CMG	5*	250 [†] 500 [†] 1000 [†]	76.2 152.4 304.8	16.0 28.5 55.0	7.3 12.9 25.0	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .308 7.82							
	1281S6 <small>new</small>	NEC: CMR CEC: CMG FT4	6*	500 [†] 1000 [†]	152.4 304.8	33.5 68.0	15.2 30.8	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .342 8.69							
	100% Sweep tested. 5 MHz to 850 MHz. Guaranteed Return Loss -20db max. U.S. Patent 7,049,523																		

Plenum • FPFA • Flamarrest® Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket

	1282S3 <small>new</small>	NEC: CMP CEC: CMP	3	500 1000	152.4 304.8	18.5 34.0	8.4 15.4	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.075	1.91	Duobond (100%) + TC Serve (95%) 5.4Ω/M' 17.7Ω/km	Single: .114 2.90 Overall: .246 6.25	75	81%	16.8	55.1	1 5 50 100 200 400 750 1000 2250 3000	.50 1.2 3.8 5.2 7.1 10.0 14.3 16.9 25.5 33.9	1.6 3.9 12.1 17.1 23.1 32.9 47.0 55.4 83.6 111.3
	1282S4 <small>new</small>	NEC: CMP CEC: CMP	4	500 1000	152.4 304.8	25.5 49.0	11.6 22.2	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .275 6.99							
	1282S5 <small>new</small>	NEC: CMP CEC: CMP	5*	250 500 1000	76.2 152.4 304.8	18.0 33.0 67.0	8.2 15.0 30.4	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .308 7.82							
	1282S6 <small>new</small>	NEC: CMP CEC: CMP	6*	500 1000	152.4 304.8	39.5 80.0	17.9 36.3	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .342 8.69							
	100% Sweep tested. 5 MHz to 850 MHz. Guaranteed Return Loss -20db max. U.S. Patent 7,049,523																		

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

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

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

*Also available with all Black jackets.

Color Code Chart:

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



