

Standard Analog Video Cable

RG-59/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	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

23 AWG Solid .023" Bare Copper or Bare Copper-covered Steel Conductor (see below) • Bare Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black PVC Jacket																			
UL AWM	8241	NEC:	100	30.5	4.4	2.0	23 AWG	.146	3.71	BC Braid	.240	6.10	75	66%	20.5	67.3	1	.6	2.0
Style 1354		CM	U-500	U-152.4	19.5	8.9	(solid)			95% Shield							10	1.1	3.6
(30V 75°C)			500	152.4	18.5	8.4	.023"			Coverage							50	2.4	7.9
VW-1			U-1000 [▲]	U-304.8	38.0	17.2	BCCS			2.6Ω/M'							100	3.4	11.2
			1000	304.8	40.0	18.1	49.0Ω/M'			8.5Ω/km							200	4.9	16.1
			2000	609.6	80.0	36.3	160.7Ω/km										400	7.0	23.0
			5000	1524.0	200.0	90.7											700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4

[▲]U-1000 ft. put-up also available in Red, Yellow, Green, Lt. Blue, White or Orange.

Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM	8241A	NEC:	U-1000	U-304.8	40.0	18.1	23 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.6	2.0
Style 1354		CMG	1000	304.8	42.0	19.1	(solid)			95% Shield							5	.9	3.0
(30V 75°C)		CEC:					.023"			Coverage							10	1.1	3.6
		CMG FT4					BCCS			2.6Ω/M'							50	2.4	7.9
							49.0Ω/M'			8.5Ω/km							100	3.4	11.2
							160.7Ω/km										200	4.9	16.1
																	400	7.0	23.0
																	700	10.1	33.1
																	900	11.7	38.4
																	1000	13.2	43.3

Suitable for Indoor and Outdoor applications.

Polyethylene Insulation • Black PVC Jacket																			
UL AWM	8241B	NEC:	U-1000	U-304.8	36.0	16.3	23 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.4	1.3
Style 1354		CM	1000	304.8	37.0	16.8	(solid)			95% Shield							10	1.1	3.6
(30V 80°C)		CEC:					.023"			Coverage							50	2.4	7.9
		CM					BC			2.9Ω/M'							100	3.4	11.2
							20.4Ω/M'			9.5Ω/km							200	4.9	16.1
							66.9Ω/km										400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4

Suitable for Indoor and Outdoor applications.

22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

Foam Polyethylene Insulation • PVC Jacket (Available in Matte Black, Red, Blue, Green, White, Gray or Yellow)																			
High-Flex	8241F	—	1000	304.8	35.0	15.9	22 AWG	.146	3.71	BC Braid	.242	6.15	75	78%	17.3	56.8	1	.3	1.0
60°C							(7x30)			95% Shield							10	.9	3.0
							.030"			Coverage							50	2.1	6.9
							BC			2.6Ω/M'							100	3.0	9.8
							15.0Ω/M'			8.5Ω/km							200	4.5	14.8
							49.2Ω/km										400	6.6	21.7
																	700	8.9	29.2
																	900	10.1	33.1
																	1000	10.9	35.8

23 AWG Solid .023" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (97% Coverage)

Plenum • FEP Insulation • Black FEP Jacket																			
200°C	88241	NEC:	500 [†]	152.4	18.0	8.2	23 AWG	.132	3.35	BC Braid	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6
		CMP	1000 [†]	304.8	36.0	16.3	(solid)			97% Shield							10	1.0	3.3
		CEC:					.023"			Coverage							50	2.3	7.5
		CMP FT6					BCCS			2.6Ω/M'							100	3.3	10.8
							49.0Ω/M'			8.5Ω/km							200	5.2	17.1
							160.7Ω/km										400	8.4	27.6
																	700	11.6	38.0
																	900	13.8	45.3
																	1000	14.8	48.6

Suitable for Outdoor and Direct Burial applications.

Plenum • FEP Insulation • Natural Flammarrest® Jacket																			
75°C	82241	NEC:	U-500 [†]	U-152.4	18.5	8.4	23 AWG	.134	3.35	BC Braid	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6
		CMP	U-1000 [†]	U-304.8	36.0	16.3	(solid)			97% Shield							10	1.0	3.3
		CEC:	1000 [†]	304.8	34.0	15.4	.023"			Coverage							50	2.3	7.5
		CMP FT6					BCCS			2.6Ω/M'							100	3.3	10.8
							49.0Ω/M'			8.5Ω/km							200	5.2	17.1
							160.7Ω/km										400	8.4	27.6
																	700	11.6	38.0
																	900	13.8	45.3
																	1000	14.8	48.6

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

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

[†]Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • www.belden.com

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