

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

22 AWG Solid Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black PVC Jacket

UL AWM	8263	NEC:	U-500	U-152.4	19.5	8.9	22 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.6	2.0
Style 1354		CMX:	U-1000	U-304.8	38.0	17.2	(solid)			95% Shield							10	1.1	3.6
(30V 60°C)		CEC:	1000	304.8	39.0	17.7	.023"			Coverage							50	2.4	7.9
		CMX:					BCCS			2.6Ω/M'							100	3.4	11.2
							49.0Ω/M'			8.5Ω/km							200	4.9	16.1
							160.7Ω/km										400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4

Non-contaminating Black PVC Jacket. Suitable for Indoor and Outdoor applications.

Foam Polyethylene Insulation • Black PVC Jacket

75°C	8221	—	U-500	U-152.4	18.5	8.4	22 AWG	.146	3.71	BC Braid	.242	6.15	80	78%	16.3	53.5	1	.4	1.4
			500	152.4	17.0	7.7	(solid)			95% Shield							10	.9	3.0
			U-1000	U-304.8	36.0	16.3	.025"			Coverage							50	2.0	6.6
			1000	304.8	37.0	16.8	BCCS			2.6Ω/M'							100	2.9	9.5
							50.0Ω/M'			8.5Ω/km							200	4.1	13.5
							164.0Ω/km										400	5.9	19.4
																	700	7.8	25.6
																	900	8.8	28.9
																	1000	9.9	32.5

Suitable for Outdoor and Aerial applications when supported by a Messenger Wire.

22 AWG Solid Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (85% Coverage)

Polyethylene Insulation • Black PVC Jacket

UL AWM	9244	NEC:	U-500	U-152.4	18.0	8.2	22 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	19.4	63.6	1	.6	2.0
Style 1354		CMX:	U-1000	U-304.8	35.0	15.9	(solid)			85% Shield							10	1.1	3.6
(30V 80°C)		CEC:	1000	304.8	36.0	16.3	.025"			Coverage							50	2.4	7.9
		CMX:	3280	1000.0	118.1	53.8	BCCS			4.5Ω/M'							100	3.4	11.2
							50.0Ω/M'			14.8Ω/km							200	4.9	16.1
							164.0Ω/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 • Black PVC Jacket

UL AWM	9659	NEC:	U-500	U-152.4	19.0	8.6	22 AWG	.146	3.71	BC Braid	.242	6.15	75	78%	17.3	56.7	1	.3	1.0
Style 1354		CMX:	U-1000	U-304.8	37.0	16.8	(7x30)			95% Shield							10	.9	3.0
(30V 60°C)		CEC:	1000	304.8	38.0	17.2	.030"			Coverage							50	2.1	6.9
VW-1		CMX:					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

Non-contaminating PVC Jacket. For CCTV applications. Suitable for Indoor and Outdoor applications.

UL AWM	9259	NEC:	100	30.5	4.1	1.9	22 AWG	.146	3.71	BC Braid	.241	6.12	75	78%	17.3	56.7	1	.3	1.0
Style 1354		CM	U-500	U-152.4	18.0	8.2	(7x30)			95% Shield							10	.9	3.0
(30V 80°C)		CEC:	500	152.4	16.5	7.5	.030"			Coverage							50	2.1	6.9
		CM	U-1000	U-304.8	35.0	15.9	BC			2.6Ω/M'							100	3.0	9.8
			1000	304.8	37.0	16.8	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

For CCTV applications. Suitable for Indoor and Outdoor applications.

Plenum • Foam FEP Insulation • Black FEP Jacket

200°C	89259	NEC:	100†	30.5	5.1	2.3	22 AWG	.135	3.43	BC Braid	.193	4.90	75	78%	17.3	56.7	1	.3	1.0
		CMP	500†	152.4	16.0	7.3	(7x30)			95% Shield							10	.9	3.0
		CEC:	1000†	304.8	32.0	14.5	.030"			Coverage							50	2.1	6.9
		CMP FT6					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	9.0	29.5
																	900	10.1	33.1
																	1000	11.0	36.1

Suitable for Outdoor and Direct Burial applications.

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

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	82259	NEC:	U-1000	U-304.8	31.0	14.1	22 AWG	.135	3.43	BC Braid	.193	4.90	75	78%	17.3	56.7	1	.3	1.0
		CMP	1000	304.8	30.0	13.6	(7x30)			95% Shield							10	.9	3.0
		CEC:					.030"			Coverage							50	2.1	6.9
		CMP FT6					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	9.0	29.5
																	900	10.1	33.1
																	1000	11.0	36.1

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