

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 Style 1354 (30V 60°C)	8263	NEC: CMX CEC: CMX	U-500 U-1000 1000	U-152.4 U-304.8 304.8	19.5 38.0 39.0	8.2 17.2 17.7	22 AWG (solid) .023" BCCS 49.0Ω/M' 160.7Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.242	6.15	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	.6 1.1 2.4 3.4 4.9 7.0 9.7 11.1 12.0	2.0 3.6 7.9 11.2 16.1 23.0 31.8 36.4 39.4
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Non-contaminating Black PVC Jacket. Suitable for Indoor and Outdoor applications.

Foam Polyethylene Insulation • Black PVC Jacket

75°C	8221	—	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	18.5 17.0 36.0 37.0	8.4 7.7 16.3 16.8	22 AWG (solid) .025" BCCS 50.0Ω/M' 164.0Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.242	6.15	80	78%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.4 .9 2.0 2.9 4.1 5.9 7.8 8.8 9.9	1.4 3.0 6.6 9.5 13.5 19.4 25.6 28.9 32.5
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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 Style 1354 (30V 80°C)	9244	NEC: CMX CEC: CMX	U-500 U-1000 1000 3280	U-152.4 U-304.8 304.8 1000.0	18.0 35.0 36.0 118.1	8.2 15.9 16.3 53.8	22 AWG (solid) .025" BCCS 50.0Ω/M' 164.0Ω/km	.146	3.71	BC Braid 85% Shield Coverage 4.5Ω/M' 14.8Ω/km	.242	6.15	75	66%	19.4	63.6	1 10 50 100 200 400 700 900 1000	.6 1.1 2.4 3.4 4.9 7.0 9.7 11.1 12.0	2.0 3.6 7.9 11.2 16.1 23.0 31.8 36.4 39.4
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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 Style 1354 (30V 60°C) VW-1	9659	NEC: CMX CEC: CMX	U-500 U-1000 1000	U-152.4 U-304.8 304.8	19.0 37.0 38.0	8.6 16.8 17.2	22 AWG (7x30) .030" BC 15.0Ω/M' 49.2Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.242	6.15	75	78%	17.3	56.7	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 8.9 10.1 10.9	1.0 3.0 6.9 9.8 14.8 21.7 29.2 33.1 35.8
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Non-contaminating PVC Jacket. For CCTV applications. Suitable for Indoor and Outdoor applications.

UL AWM Style 1354 (30V 80°C)	9259	NEC: CM CEC: CM	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.1 8.2 16.5 15.9 37.0	1.9 8.2 7.5 15.9 16.8	22 AWG (7x30) .030" BC 15.0Ω/M' 49.2Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.241	6.12	75	78%	17.3	56.7	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 8.9 10.1 10.9	1.0 3.0 6.9 9.8 14.8 21.7 29.2 33.1 35.8
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For CCTV applications. Suitable for Indoor and Outdoor applications.

Plenum • Foam FEP Insulation • Black FEP Jacket

200°C	89259	NEC: CMP CEC: CMP FT6	100† 500† 1000†	30.5 U-152.4 152.4 U-304.8 304.8	5.1 16.0 32.0	2.3 7.3 14.5	22 AWG (7x30) .030" BC 15.0Ω/M' 49.2Ω/km	.135	3.43	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.193	4.90	75	78%	17.3	56.7	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 9.0 10.1 11.0	1.0 3.0 6.9 9.8 14.8 21.7 29.5 33.1 36.1
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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: CMP CEC: CMP FT6	U-1000 1000	U-304.8 304.8	31.0 30.0	14.1 13.6	22 AWG (7x30) .030" BC 15.0Ω/M' 49.2Ω/km	.135	3.43	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.193	4.90	75	78%	17.3	56.7	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 9.0 10.1 11.0	1.0 3.0 6.9 9.8 14.8 21.7 29.5 33.1 36.1
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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.



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

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