

Alpha Essentials
The Reliable Source for
Industry-Standard Cable

Alpha
Essentials



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AlphaEssentials



The Reliable Source for Industry-Standard Cables

Finding the right wire and cable for your application is now easier than ever with Alpha Essentials—your one-stop source for the widest range of industry-standard cables. The breadth and depth of Alpha Essentials products ensure an optimum solution to your application challenges.

High Performance, Low Minimums

Alpha Essentials provides you with high-performance industry-standard cables. They are built to perform reliably—electrically, mechanically, and environmentally—each and every time. Better still, you can order just what you need with Alpha's industry-leading minimum order quantities; most products in the Alpha Essentials line have only a 100 ft minimum order requirement.

Essential to Performance, Reliability, and Productivity

Every wire and cable in your application, no matter how simple or complex, is critical to long-term reliable productivity, performance, and overall customer satisfaction. Alpha Essentials cable is industry-proven to provide dependable performance day in and day out.

Standard Cables that Go Beyond the Ordinary

Nobody gives you more choice in insulation and jacketing materials, shielding options, configurations, and conductor counts. And now, with the extensive Alpha Essentials line, you have more choice in the types of cable you tend to need most. These cables go beyond the ordinary to satisfy the rigorous requirements of EMI performance, transmission distances, flexibility, and extreme temperatures.

Shielding Options to Maximize Signal Integrity

Alpha Wire offers cables in four shielding options to handle virtually any electrical environment.

Unshielded:

The smallest cable diameter for use in low-noise environments.

Foil shielded:

An aluminum/polyester shield for moderate EMI needs.

Braid shielded:

A braided copper shield, with 55% to 85% coverage, provides good protection against higher frequency EMI.

Foil/braid shielded:

A combination of foil and braid gives the best EMI protection across a wide frequency range.

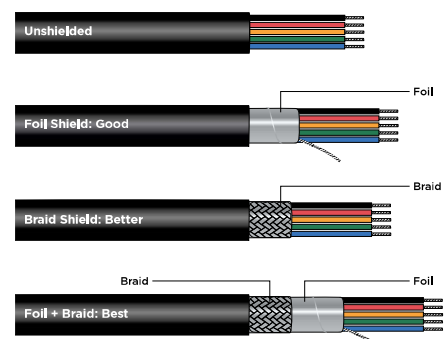
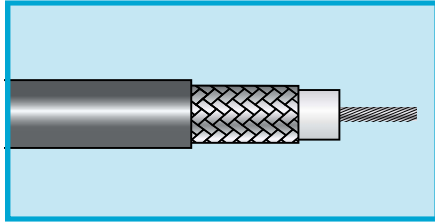


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Coaxial and Twinax Cable

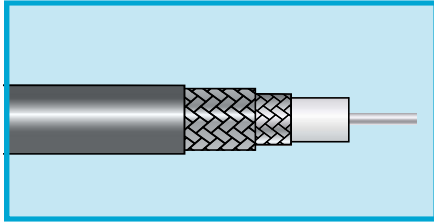
For a complete range of 50-, 75-, 93-, and 100-ohm coaxial and twinaxial, we offer a wide range of insulations and jackets meeting the requirements of military specifications and regulatory agencies such as UL and CSA. For broadcast-quality video transmission, our precision video cables use FEP dielectrics to achieve low capacitance, high

velocities of propagation, and tight tolerances for maximum signal integrity.

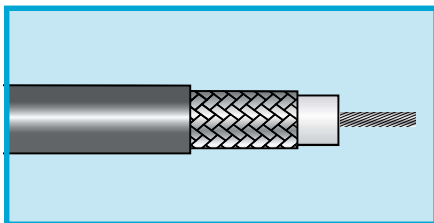
Availability

- A. 100 ft (30.5 m)
- B. 500 ft (152 m)
- C. 500 ft (152 m) boxed
- D. 1000 ft (305 m)
- E. 1000 ft (305 m) boxed
- F. 2000 ft (610 m)
- G. Bulk, cut to length
(Minimums may apply)

50-Ohm Transmission and Computer Cables					
RG-55B/U, RG-58/U, RG-58A/U, and RG-58C/U Coaxial Cables					
Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9058	20 AWG (0.48 mm ²) Solid	PE 0.116 (2.95) Dia.	TC Braid 80%	Type I PVC Black 0.195 (4.95) Dia.	Z ₀ = 53 Ω V _p = 66% C = 28.5 pF/ft (93.5 pF/m)
	19/0.0071 (19 x 0.18)				
Specifications: UL AWM 1354, JAN-C-17A/RG-58/U • Availability: D, G					
9058A	20 AWG (0.48 mm ²) Stranded TC	PE 0.116 (2.95) Dia.	TC Braid 95%	Type I PVC Black 0.195 (4.95) Dia.	Z ₀ = 50 Ω V _p = 66% C = 30.8 pF/ft (101.1 pF/m)
	19/0.0071 (19 x 0.18)				
Specifications: JAN-C-17A/RG-58/U Type • Availability: A, B, C, D, E					
9058AC	20 AWG (0.48 mm ²) Stranded TC	PE 0.116 (2.95) Dia.	TC Braid 95%	Type I PVC Black 0.195 (4.95) Dia.	Z ₀ = 50 Ω V _p = 66% C = 30.8 pF/ft (101.1 pF/m)
	19/0.0071 (19 x 0.18)				
Specifications: CL2 • JAN-C-17A/RG-58/U Type • Availability: A, B, D, E					
9058C	20 AWG (0.48 mm ²) Stranded TC	PE 0.116 (2.95) Dia.	TC Braid 95%	Type II PVC Black 0.195 (4.95) Dia.	Z ₀ = 50 Ω V _p = 66% C = 30.8 pF/ft (101.1 pF/m)
	19/0.0071 (19 x 0.18)				
Specifications: CL2 • JAN-C-17A/RG-58/U • Availability: A, B, D, E					
9058X	20 AWG (0.52 mm ²) Solid	PE 0.116 (2.95) Dia.	TC Braid 95%	Type I PVC Black 0.195 (4.95) Dia.	Z ₀ = 50 Ω V _p = 66% C = 28.5 pF/ft (93.5 pF/m)
	19/0.0071 (19 x 0.18)				
Specifications: CL2 • UL AWM 1354, UL CL2 JAN-C-17A/RG-58/U • Availability: A, B, C, D, E					
9158S	20 AWG (0.52 mm ²) Solid	PE 0.116 (2.95) Dia.	TC Braid 95%	FEP Black 0.159 (4.04) Dia.	Z ₀ = 50 Ω V _p = 70% C = 30.0 pF/ft (98.4 pF/m)
	19/0.0071 (19 x 0.18)				
Specifications: UL CL2P, CSA CMP FT6, MIL-DTL-17/28 RG-58/U Type • Availability: B, D					
M4213	20 AWG (0.48 mm ²) Stranded TC	PE 0.116 (2.95) Dia.	TC Braid 94%	Type IIA PVC Black 0.195 (4.95) Dia.	Z ₀ = 50 Ω V _p = 66% C = 30.8 pF/ft (101.1 pF/m)
	19/0.0071 (19 x 0.18)				
Specifications: UL CL2P, CSA CMP FT6, MIL-DTL-17/28 RG-58/U Type • Availability: D, G					
M4219	20 AWG (0.48 mm ²) Stranded TC	PE 0.116 (2.95) Dia.	TC Braid 91%	Type I PVC Black 0.193 (4.90) Dia.	Z ₀ = 50 Ω V _p = 66% C = 30.8 pF/ft (101.1 pF/m)
	19/0.0071 (19 x 0.18)				
Specifications: UL CM, CSA CM, JAN-C-17A/RG-58A/U Type • Availability: A, D, E					
9848	18 AWG (0.82 mm ²) Solid	Foam PE 0.116 (2.95) Dia.	TC Braid 95%	Type I PVC Black 0.203 (5.16) Dia.	Z ₀ = 50 Ω V _p = 78% C = 26.0 pF/ft (85.3 pF/m)
	19/0.0071 (19 x 0.18)				
Specifications: UL AWM 1354, MIL-DTL-17/28 (7 x 0.32)B RG 58/U Type • Availability: A, D, E					

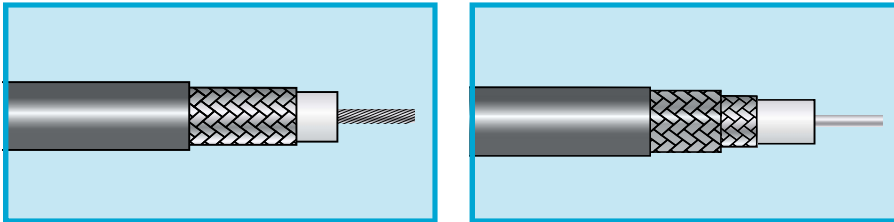


50-Ohm Transmission and Computer Cables					
RG-55B/U Coaxial Cables					
Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9055B	20 AWG (0.52 mm ²) Solid	PE 0.116 (2.95) Dia.	Double TC Braid 99%	Type I PVC Black 0.201 (5.11) Dia.	Z ₀ = 53.5 Ω V _p = 66% C = 28.8 pF/ft (94.5 pF/m)
Specifications: MIL-DTL-17D/26A RG-55B/U • Availability: A, B, D					



50-Ohm Transmission and Computer Cables					
RG-8/U and RG-8A/U Type Coaxial Cables					
Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9008	13 AWG (2.90 mm ²) Stranded TC 7/21 (7 x 0.72)	PE 0.285 (7.24) Dia.	BC Braid 94%	Type I PVC Black 0.405 (10.29) Dia.	Z ₀ = 52 Ω V _p = 66% C = 29.5 pF/ft (96.8 pF/m)
Specifications: JAN-C-17A/RG-8/U • Availability: A, B, D					
M4201	13 AWG (2.90 mm ²) Stranded TC 7/21 (7 x 0.724)	PE 0.285 (7.34) Dia.	BC Braid 96%	Type I PVC Black 0.405 (10.29) Dia.	Z ₀ = 51 Ω V _p = 66% C = 28.5 pF/ft (93.5 pF/m)
Specifications: UL AWM 1354, UL CMX, CSA CMX, MIL-DTL-17D/3A RG-8A/U • Availability: D, G					
M4206	11 AWG (2.90 mm ²) Stranded TC 7/19 (7 x 0.912)	Foam PE 0.285 (7.34) Dia.	BC Braid 95%	PVC Black 0.403 (10.24) Dia.	Z ₀ = 50 Ω V _p = 78% C = 26.0 pF/ft (85.3 pF/m)
Specifications: UL AWM 1354, UL CM, CSA CM, MIL-DTL-17/RG-8/U Type • Availability: D, G					



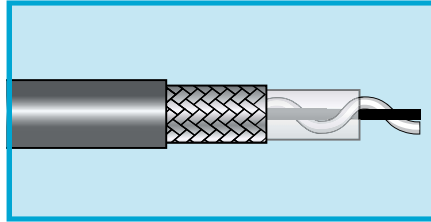
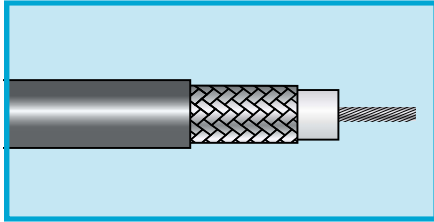


50-Ohm Transmission and Computer Cables

RG-142B/U, RG-174 Type, RG-178B/U, RG-188A/U, RG-196A/U, RG-213 Type, RG-214 Type, RG-217/U, RG-223/U, RG-316/U Coaxial Cables

Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9178B	26 AWG (0.48 mm ²) Stranded TC 7/38 (7 x 0.10)	PTFE 0.034 (0.86) Dia.	SPC Braid 94%	FEP Natural Tan 0.071 (1.80) Dia.	Z ₀ = 50 Ω V _p = 70% C = 29.3 pF/ft (96.1 pF/m)
	Specifications: RG-142B/U, RG-174 Type, RG-178B/U, RG-188A/U, RG-196A/U, RG-213 Type, RG-214 Type, RG-217/U, RG-223/U, RG-316/U Coaxial Cables • Availability: A, B, D, G				
9196A	30 AWG (0.05 mm ²) Stranded TC 7/38 (7 x 0.10)	PTFE 0.034 (0.86) Dia.	SPC Braid 94%	PTFE Tape Natural 0.075 (1.91) Dia.	Z ₀ = 50 Ω V _p = 70% C = 29.3 pF/ft (96.1 pF/m)
	Specifications: RG-142B/U, RG-174 Type, RG-178B/U, RG-188A/U, RG-196A/U, RG-213 Type, RG-214 Type, RG-217/U, RG-223/U, RG-316/U Coaxial Cables • Availability: A, B, D, G				
9174	26 AWG (0.14 mm ²) Stranded TC 7/34 (7 x 0.16)	PE 0.060 (1.52) Dia.	TC Braid 95%	Type 1 PVC Black or Red 0.102 (2.59) Dia.	Z ₀ = 50 Ω V _p = 66% C = 30.8 pF/ft (101.1 pF/m)
	Specifications: UL AWM 1354, MIL-DTL-17D/119F RG-174/U • Availability: D, G				
9188A	25 AWG (0.16 mm ²) Stranded TC 7/0.0067 (7 x 0.17)	PTFE 0.060 (1.52) Dia.	SPC Braid 94%	PTFE Tape White 0.105 (2.67) Dia.	Z ₀ = 50 Ω V _p = 70% C = 29.3 pF/ft (96.1 pF/m)
	Specifications: MIL-DTL-17/69B RG-188A/U • Availability: A, B, D, G				
9136	25 AWG (0.16 mm ²) Stranded TC 7/0.0067 (7 x 0.17)	PTFE 0.060 (1.52) Dia.	SPC Braid 94%	FEP Natural Tan 0.098 (2.49) Dia.	Z ₀ = 50 Ω V _p = 70% C = 29.3 pF/ft (96.1 pF/m)
	Specifications: AWM 1971, CSA CMX FT4, MIL-DTL-17 M17/113 RG-316 • Availability: D, G				
9223	19 AWG (0.62 mm ²) Solid	PE 0.116 (2.95) Dia.	Double SPC Braid 95%	Type II PVC Black 0.212 (5.38) Dia.	Z ₀ = 50 Ω V _p = 66% C = 30.8 pF/ft (101.1 pF/m)
	Specifications: MIL-DTL-17D/84B RG-223/U • Availability: D, G				
M4251	19 AWG (0.69 mm ²) Solid	PTFE 0.116 (2.95) Dia.	Double SPC Braid 95%	FEP Natural Tan 0.195 (4.95) Dia.	Z ₀ = 50 Ω V _p = 70% C = 29.0 pF/ft (95.1 pF/m)
	Specifications: MIL-DTL-17/RG-142B/U • Availability: A, B, D, G				
9213	13 AWG (3.11 mm ²) Stranded TC 7/0.0296 (7 x 0.75)	PE 0.285 (7.24) Dia.	BC Braid 96%	Type IIA PVC Black 0.405 (10.29) Dia.	Z ₀ = 50 Ω V _p = 66% C = 30.8 pF/ft (101.1 pF/m)
	Specifications: MIL-DTL-17/74A RG-213 Type • Availability: D, G				
9214	13 AWG (3.11 mm ²) Stranded TC 7/0.0296 (7 x 0.75)	PE 0.285 (7.34) Dia.	Double SPC Braid 95%	Type IIA PVC Black 0.425 (10.80) Dia.	Z ₀ = 50 Ω V _p = 66% C = 30.8 pF/ft (101.1 pF/m)
	Specifications: AWM 1354, MIL-DTL-17/75D RG-214/U • Availability: A, B, D, G				
9217	10 AWG (5.70 mm ²) Solid	PE 0.370 (9.40) Dia.	Double BC Braid 95%	Type IIA PVC Black 0.545 (13.84) Dia.	Z ₀ = 50 Ω V _p = 66% C = 30.8 pF/ft (101.1 pF/m)
	Specifications: MIL-DTL-17D/78A RG-217/U • Availability: A, B, D, G				



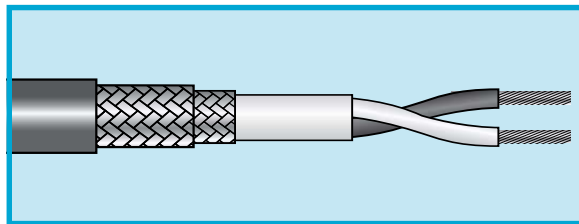
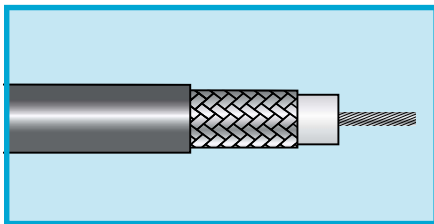


93-Ohm Coaxial Cables

RG-62A/U, RG-22B/U Coaxial Cables

Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9062A	22 AWG (0.32 mm ²) Solid	Semisolid PE 0.146 (3.71) Dia.	BC Braid 95%	Type IIA PVC Black 0.242 (6.15) Dia.	Z ₀ = 93 Ω V _p = 83% C = 13.5 pF/ft (44.3 pF/m)
Specifications: UL AWM 1478, MIL-DTL-17/30B RG-62A/U • Availability: A, B, D, E, F					
9062AC	22 AWG (0.32 mm ²) Solid	Semisolid PE 0.146 (3.71) Dia.	BC Braid 95%	Type IIA PVC Black* 0.242 (6.15) Dia.	Z ₀ = 93 Ω V _p = 83% C = 13.5 pF/ft (44.3 pF/m)
Specifications: UL AWM 1478, UL CL2, CSA CMH, MIL-DTL-17/30B RG-62A/U • Availability: A, B, D, E, F					
M4276	22 AWG (0.32 mm ²) Solid	Semisolid PE 0.146 (3.71) Dia.	BC Braid 95%	Type IIA PVC Black 0.239 (6.07) Dia.	Z ₀ = 93 Ω V _p = 83% C = 13.5 pF/ft (44.3 pF/m)
Specifications: UL AWM 1478, UL CL2, UL CM, CSA CM, MIL-DTL-17/RG-62A/U Type • Availability: A, B, D, G					

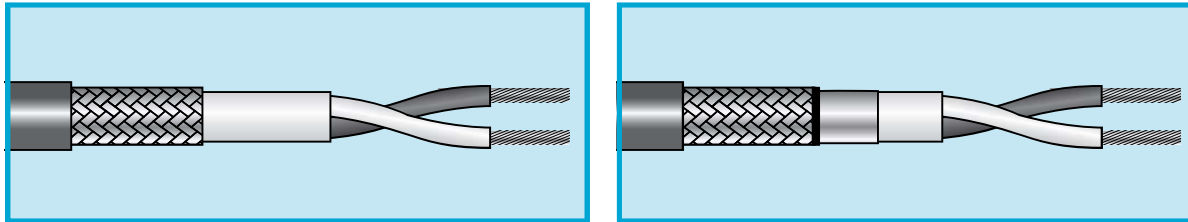
*Also available in white, green, blue, orange, yellow, and slate.



95-Ohm Coaxial Cables

RG-180B/U Coaxial, RG-22B/U Twinax Cables

Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9180B	30 AWG (0.05 mm ²) Stranded TC 7/38 (7 x 0.10)	PTFE 0.102 (2.59) Dia.	SPC Braid 91%	FEP Natural Tan 0.141 (3.58) Dia.	Z ₀ = 95 Ω V _p = 70% C = 15.4 pF/ft (50.5 pF/m)
Specifications: MIL-DTL-17/RG-180B/U • Availability: A, B, D, G					

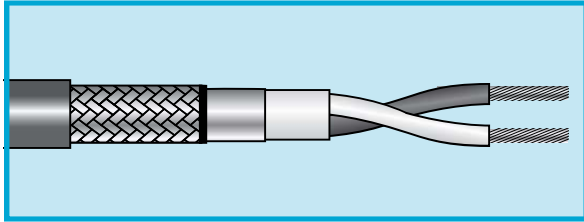


Twinax Cables					
78-Ohm Twinax Cables					
Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9888C	22 AWG (0.35 mm ²) Stranded TC 7/30 (7 x 0.25)	HDPE 0.056 (1.42) Dia.	TC Braid 85%	PVC Apple Smoke Slate 0.184 (4.67) Dia.	$Z_0 = 78 \Omega$ $V_p = 66\%$ $C = 19.7 \text{ pF/ft (64.6 pF/m)}$
Specifications: UL AWM 2726, UL CM, CSA CMG FT4 • Availability: D, E					
9108	20 AWG (0.56 mm ²) Stranded TC 7/28 (7 x 0.32)	FEP 0.074 (1.88) Dia.	TC Braid 95%	FEP Blue 0.198 (5.03) Dia.	$Z_0 = 78 \Omega$ $V_p = 69.5\%$ $C = 18.4 \text{ pF/ft (60.4 pF/m)}$
Specifications: UL CMP, CSA CMP • Availability: B, D					
M4154	20 AWG (0.56 mm ²) Stranded TC 7/28 (7 x 0.32)	PE 0.076 (1.93) Dia.	A/P Tape TC Braid 55%	PVC Blue 0.238 (6.05) Dia.	$Z_0 = 78 \Omega$ $V_p = 66\%$ $C = 19.7 \text{ pF/ft (64.6 pF/m)}$
Specifications: UL AWM 2464, UL CM, CSA CM • Availability: A, B, D, G					
M4220	20 AWG (0.56 mm ²) Stranded TC 7/28 (7 x 0.32)	PE 0.079 (2.01) Dia.	A/P/A Tape TC Braid* 85%	PVC Blue 0.235 (5.97) Dia.	$Z_0 = 78 \Omega$ $V_p = 66\%$ $C = 19.7 \text{ pF/ft (64.6 pF/m)}$
Specifications: MIL-DTL-17/RG-108 Type • Availability: A, B, D, G					

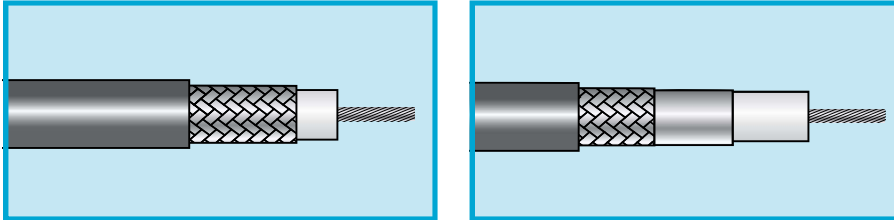
*For identification, one conductor includes a bare copper strand Type IIA.

Twinax Cables					
100-Ohm Twinax Cables					
Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9888C	20 AWG (0.56 mm ²) Stranded TC 7/28 (7 x 0.32)	FEP 0.072 (1.83) Dia.	TC Braid 95%	PVFD Slate 0.252 (6.40) Dia.	$Z_0 = 100 \Omega$ $V_p = 69\%$ $C = 13.3 \text{ pF/ft (43.6 pF/m)}$
Specifications: UL CMP, UL CL2P, CSA CMP • Availability: D					
9817	20 AWG (0.56 mm ²) Stranded TC 7/28 (7 x 0.32)	PE 0.083 (2.11) Dia.	TC Braid 85%	PVC Black 0.330 (8.38) Dia.	$Z_0 = 100 \Omega$ $V_p = 66\%$ $C = 14.5 \text{ pF/ft (47.6 pF/m)}$
Specifications: UL AWM 2498 • Availability: A, B, D					
M4271	20 AWG (0.56 mm ²) Stranded TC 7/28 (7 x 0.32)	PE 0.083 (2.11) Dia.	A/P/A Tape TC Braid 85%	PVC Black 0.330 (8.38) Dia.	$Z_0 = 100 \Omega$ $V_p = 66\%$ $C = 14.5 \text{ pF/ft (47.6 pF/m)}$
Specifications: UL CMG, UL CL2, CSA CMG • Availability: A, B, D, G					



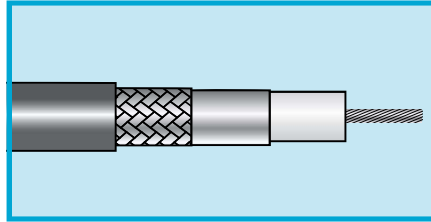
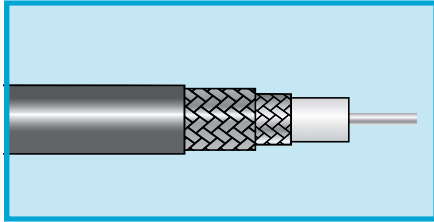


Twinax Cables					
124- and 150-Ohm Twinax Cables					
Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9823	22 AWG (0.38 mm ²) Stranded TC 19/34 (19 x 0.16)	Foam PE 0.120 (3.05) Dia.	A/P/A Tape	PVC Black 0.329 (8.36) Dia.	Z ₀ = 150 Ω V _p = 78% C = 8.8 pF/ft (28.9 pF/m)
Specifications: UL AWM 2668 • Availability: A, B, D, G					
M4158	16 AWG (1.31 mm ²) Solid	Foam PE 0.161 (4.09) Dia.	A/P/A Tape TC Braid 90%	PVC Black 0.440 (11.18) Dia.	Z ₀ = 124 Ω V _p = 78% C = 10.9 pF/ft (35.8 pF/m)
Specifications: UL AWM 2448, UL CMX, CSA CMX • Availability: A, B, D, G					



75-Ohm Video Cables					
RG-59/U, RG-59B/U Coaxial Cables					
Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9059B	23 AWG (0.26 mm ²) Solid	PE 0.146 (3.71) Dia.	BC Braid 94%	Type IIA PVC Black 0.242 (6.15) Dia.	Z ₀ = 75 Ω V _p = 66% C = 20.5 pF/ft (67.3 pF/m)
Specifications: UL CL2X, CSA CMH FT1, MIL-DTL-17D/29B RG-59B/U • Availability: A, B, C, D, E					
9159	23 AWG (0.26 mm ²) Solid	FEP 0.132 (3.35) Dia.	BC Braid 95%	PVDF Black 0.190 (4.83) Dia.	Z ₀ = 75 Ω V _p = 66% C = 19.5 pF/ft (64.0 pF/m)
Specifications: UL CL2P, UL CMP, CSA CMP FT6, MIL-DTL-17/RG-59B/U Type • Availability: D					
9810	23 AWG (0.26 mm ²) Solid	PE 0.146 (3.71) Dia.	A/P/A Tape BC Braid 95%	Type IIIA Black 0.220 (5.59) Dia.	Z ₀ = 75 Ω V _p = 66% C = 21 pF/ft (68.9 pF/m)
Specifications: MIL-DTL-17/RG-59B/U Type • Availability: A, D					
M4223	23 AWG (0.26 mm ²) Solid	PE 0.146 (3.71) Dia.	BC Braid 94%	Type IIA Black 0.241 (6.12) Dia.	Z ₀ = 75 Ω V _p = 66% C = 20.5 pF/ft (67.3 pF/m)
Specifications: UL AWM 1354, UL CMX, CSA CMX, MIL-DTL-17D/29B RG-59B/U • Availability: A, B, D					
9059	22 AWG (0.32 mm ²) Solid	PE 0.146 (3.71) Dia.	BC Braid 95%	Type I PVC Black, White, Slate 0.242 (6.15) Dia.	Z ₀ = 73 Ω V _p = 66% C = 21.0 pF/ft (68.9 pF/m)
Specifications: UL AWM 1354, JAN-C-17A/RG-59/U • Availability: A, B, D					
9059C	22 AWG (0.32 mm ²) Solid	PE 0.146 (3.71) Dia.	BC Braid 85%	Type I PVC Black, White, Slate 0.242 (6.15) Dia.	Z ₀ = 73 Ω V _p = 66% C = 21.0 pF/ft (68.9 pF/m)
Specifications: UL AWM 1354, UL CL2, CSA CMG FT4, JAN-C-17A/RG-59/U • Availability: A, B, C, D, E					
9830	22 AWG (0.32 mm ²) Solid	PE 0.146 (3.71) Dia.	BC Braid 94%	Type I PVC Black, White, Slate 0.242 (6.15) Dia.	Z ₀ = 75 Ω V _p = 66% C = 21.5 pF/ft (70.5 pF/m)
Specifications: UL AWM 1354, UL CMX, CSA CMX, JAN-C-17A/RG-59/U • Availability: A, B, D					
M4237	22 AWG (0.35 mm ²) Stranded TC 7/30 (7 x 0.25)	Foam PE 0.146 (3.71) Dia.	BC Braid 95%	Type I PVC Black 0.240 (6.10) Dia.	Z ₀ = 75 Ω V _p = 78.0% C = 17.3 pF/ft (56.8 pF/m)
Specifications: UL AWM 1354, UL CM, CSA CMX, JAN-C-17A/RG-59/U • Availability: A, B, D					
9102	20 AWG (0.52 mm ²) Solid	Foam FEP 0.140 (3.56) Dia.	A/P/A Tape TC Braid 94%	PVDF Black 0.212 (5.38) Dia.	Z ₀ = 75 Ω V _p = 82.0% C = 16.5 pF/ft (54.1 pF/m)
Specifications: UL CMP, UL CL2P, CSA CMP FT6, MIL-DTL-17/RG-59U Type • Availability: B, D					

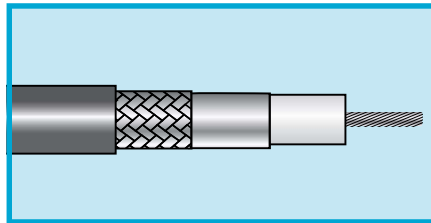
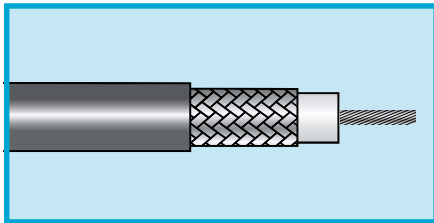




75-Ohm Video Cables

RG-6U Type, RG-6A/U Type

Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9104	18 AWG (0.82 mm ²) Solid	Foam FEP 0.170 (4.32) Dia.	A/P Tape TC Braid 95%	PVFD Black 0.232 (5.89) Dia.	Z ₀ = 75 Ω V _p = 82% C = 16.5 pF/ft (54.1 pF/m)
Specifications: UL CMP, UL/CATVP, CSA CMP FT6, MIL-DTL-17/RG-6U Type • Availability: B, D					
M4182	18 AWG (0.82 mm ²) Solid	Foam PE 0.180 (4.57) Dia.	A/P/A Tape TC Braid 60%	Type I PVC Black 0.270 (6.86) Dia.	Z ₀ = 75 Ω V _p = 82% C = 16.2 pF/ft (53.1 pF/m)
Specifications: UL AWM 1354, UL CM, CSA CM, MIL-DTL-17/ RG 6/U Type • Availability: A, B, D					

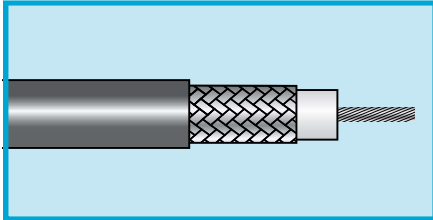


75-Ohm Video Cables

RG-11/U, RG-11/U Type, RG-11A/U

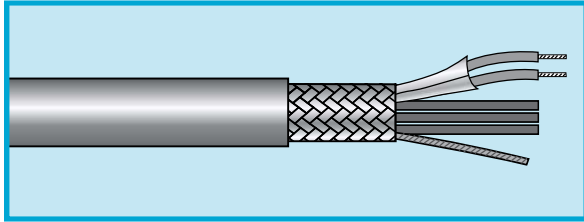
Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9011A	18 AWG (0.89 mm ²) Stranded TC 7/26 (7 x 0.40)	PE 0.285 (7.24) Dia.	A/P Tape BC Braid 95%	Type IIA PVC Black 0.405 (10.29) Dia.	Z ₀ = 75 Ω V _p = 66% C = 20.5 pF/ft (67.3 pF/m)
Specifications: UL CL2X, CSA CMH FT1, MIL-DTL-17D/6B RG 11A/U • Availability: A, B, D					
M4208	14 AWG (2.08 mm ²) Solid	Foam PE 0.285 (7.24) Dia.	A/P Tape BC Braid 95%	PE Black 0.405 (10.29) Dia.	Z ₀ = 75 Ω V _p = 84% C = 16.1 pF/ft (52.8 pF/m)
Specifications: MIL-DTL-17/RG-11A/U Type • Availability: A, B, D					





75-Ohm Video Cables					
RG-179B/U and RG-187A/U Coaxial Cables					
Part No.	Center Conductor	Dielectric	Shield	Jacket	Electrical
9179B	130 AWG (0.05 mm ²) Stranded TC 7/38 (7 x 0.10)	PTFE 0.063 (1.60) Dia.	A/P Tape BC Braid 95%	FEP Natural Tan 0.100 (2.54) Dia.	Z ₀ = 75 Ω V _p = 70% C = 19.5 pF/ft (64.0 pF/m)
Specifications: MIL-DTL-17/RG-179B/U • Availability: A, B, D, G					
9187A	30 AWG (0.05 mm ²) Stranded TC 7/38 (7 x 0.10)	PTFE 0.063 (1.60) Dia.	A/P Tape BC Braid 95%	PTFE Tape Natural 0.105 (2.67) Dia.	Z ₀ = 75 Ω V _p = 70% C = 19.5 pF/ft (64.0 pF/m)
Specifications: MIL-DTL-17/RG-187A/U • Availability: A, B, D, G					





Ethernet Transceiver Cables					
Part No.	Conductors (3 Data Pairs and 1 Power Pair)	Dielectric	Shield	Jacket	Electrical
9852C	Data: 22 AWG (0.35 mm ²) Stranded TC 7/30 (7 x 0.25)	Foam HDPE 0.064 (1.63) Dia.	A/P (pairs) A/P/A (overall) TC Braid, 95%	Slate PVC 0.375 (9.53) Dia.	Z ₀ = 78 Ω V ₀ = 78% C _p = 16.7 pF/ft (54.8 pF/m)
	Power: 20 AWG (0.56 mm ²) Stranded TC 7/28 (7 x 0.32)	SR-PVC 0.058 (1.47) Dia.			
Specifications: UL AWM 2919, UL CM, CSA CMG FT4 • Availability: D					
9853C	Data: 20 AWG (0.56 mm ²) Stranded TC 7/28 (7 x 0.32)	Foam HDPE 0.077 (1.96) Dia.	A/P (pairs) A/P/A (overall) TC Braid, 95%	Slate PVC 0.401 (10.19) Dia.	Z ₀ = 78 Ω V ₀ = 78% C _p = 16.7 pF/ft (54.8 pF/m)
	Power: 20 AWG (0.56 mm ²) Stranded TC 7/28 (7 x 0.32)	SR-PVC 0.058 (1.47) Dia.			
Specifications: UL AWM 2919, UL CM, CSA CMG FT4 • Availability: D					
9854C	Data: 28 AWG (0.08 mm ²) Stranded TC 7/36 (7 x 0.12)	PP 0.033 (0.84) Dia.	A/P (pairs) A/P/A (overall) TC Braid, 90%	Slate PVC 0.250 (6.35) Dia.	Z ₀ = 78 Ω V ₀ = 66% C _p = 19.7 pF/ft (64.6 pF/m)
	Power: 24 AWG (0.23 mm ²) Stranded TC 7/32 (7 x 0.20)	SR-PVC 0.044 (1.12) Dia.			
Specifications: UL AWM 2919, UL CM, CSA CMG FT4 • Availability: D					

Key to Abbreviations

A/P	Aluminum/polyester
A/P/A	Aluminum/polyester/aluminum
BC	Bare copper
BCW	Bare copper-coated steel
FEP	Fluorinated ethylene propylene
HDPE	High-density polyethylene
PE	Polyethylene
PP	Polypropylene
PTFE	Polytetrafluoroethylene
PVC	Polyvinyl chloride
PVDF	Polyvinylidene fluoride
SCW	Silver-coated, copper-coated steel
SPC	Silver-plated copper
SR-PVC	Semirigid PVC
TC	Tinned copper

Color Coding

Conductor	Color Code	
	9852C, 9853C	9854C
Data 1	Green-Blue	White-Gray
Data 2	Yellow-Orange	Yellow-Orange
Data 3	White-Brown	Green-Blue
Power	Blue-Red	Black-Red

