Teflon®
High-Temperature

UL AWM Style 1180
300V, 200°C
(Type EE) MIL-W-16878/5
Teflon — 1000V, 200°C
VW-1

Product Description

Stranded silver-coated copper conductor insulation with extruded TFE Teflon.

Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
300V, 200°C (UL) • **1000V, 200°C** (MIL-Spec)										
UL AWM Style 1180 • (Type EE) MIL-W-16878/5 — Teflon										
83023*	24 (19x36)	.015	.38	.053	1.35	100 †	30.5	.4	.2	1–10
						500 ▲	152.4	2.5	1.1	2, 4, 5, 9, 10
						1000 ▲	304.8	4.0	1.8	1–10
83025	22 (7x30)	.015	.38	.060	1.52	100 †	30.5	.5	.2	1–7, 9, 10
						500 ▲	152.4	3.0	1.4	2, 9, 10
						1000 ▲	304.8	5.0	2.3	1–7, 9, 10
83026*	22 (19x34)	.015	.38	.059	1.50	100 †	30.5	.5	.2	1–10
						500 ▲	152.4	3.0	1.4	2, 9, 10
						1000 ▲	304.8	5.0	2.3	1–10
83027*	20 (19x32)	.015	.38	.068	1.73	100 ††	30.5	.8	.4	1–10
						500 ▲	152.4	4.0	1.8	2, 9, 10
						1000 ▲	304.8	7.0	3.2	1–10
83028	20 (7x28)	.015	.38	.068	1.73	100 ††	30.5	.8	.4	1–10
						1000 ▲	304.8	7.0	3.2	1–10
83029*	18 (19x30)	.015	.38	.077	1.96	100 ††	30.5	1.1	.5	1–10
						500 ▲	152.4	5.5	2.5	2, 5, 6, 9, 10
						1000 ▲	304.8	9.0	4.1	1–10
83030*	16 (19x29)	.015	.38	.088	2.24	100 ††	30.5	1.3	.6	1–10
						500 ▲	152.4	6.5	3.0	2, 9, 10
						1000 ▲	304.8	12.0	5.4	1–10

*Complies with MIL-W-16878 except stranding.
†100 ft. put-ups are exact, but may contain 2 pieces max.
††100 ft. put-ups are exact, one piece.
▲May contain more than one piece. Minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.

Teflon®
High-Temperature

UL AWM Style 1213 — 105°C
(Type E) MIL-W-16878/4
Teflon — 600V, 200°C
VW-1

Product Description

Stranded silver-coated copper conductor insulation with extruded TFE Teflon.

Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
105°C (UL) • **600V, 200°C** (MIL-Spec)										
UL AWM Style 1213 • (Type E) MIL-W-16878/4 — Teflon										
83000	30 (7x38)	.010	.25	.032	.81	100 †	30.5	.1	.05	1–10
						1000 ▲	304.8	1.0	.50	1–10
83001*	28 (7x36)	.010	.25	.035	.89	100 †	30.5	.2	.10	1–10
						1000 ▲	304.8	2.0	.90	1–10
83002	26 (7x34)	.010	.25	.039	.99	100 †	30.5	.2	.10	1–10
						500 ▲	152.4	1.0	.50	9
						1000 ▲	304.8	3.0	1.40	1–10
83003*	24 (19x36)	.010	.25	.043	1.09	100 †	30.5	.3	.10	1–10
						500 ▲	152.4	1.5	.70	1–10
						1000 ▲	304.8	3.0	1.40	1–10
83004	24 (7x32)	.010	.25	.043	1.09	100 †	30.5	.3	.10	1–10
						500 ▲	152.4	1.5	.70	2, 10
						1000 ▲	304.8	3.0	1.40	1–10
83005	22 (7x30)	.010	.25	.049	1.24	100 †	30.5	.4	.20	1–10
						500 ▲	152.4	2.5	1.10	2, 9, 10
						1000 ▲	304.8	4.0	1.80	1–10
83006*	22 (19x34)	.010	.25	.048	1.22	100 †	30.5	.4	.20	1–10
						500 ▲	152.4	2.5	1.10	1–10
						1000 ▲	304.8	4.0	1.80	1–10
83007*	20 (19x32)	.010	.25	.056	1.42	100 ††	30.5	.5	.20	1–10
						500 ▲	152.4	3.5	1.60	2, 6, 9, 10
						1000 ▲	304.8	6.0	2.70	1–10
83008	20 (7x28)	.010	.25	.058	1.47	100 †	30.5	.5	.20	1–10
						500 ▲	152.4	3.5	1.60	1–10
						1000 ▲	304.8	6.0	2.70	1–10

*Complies with MIL-W-16878 except stranding.
†100 ft. put-ups are exact, but may contain 2 pieces max. Minimum length of any one piece is 25 ft.
††100 ft. put-ups are exact, one piece.
▲May contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

Teflon®
High-Temperature

UL AWM Style 1371 — 105°C
(Type E) MIL-W-16878/4
Teflon — 600V, 200°C
VW-1

Product Description

Stranded silver-coated copper conductor insulation with extruded TFE Teflon.

Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
105°C (UL) • **600V, 200°C** (MIL-Spec)										
UL AWM Style 1371 • (Type E) MIL-W-16878/4 — Teflon										
83009*	18 (19x30)	.011	.28	.068	1.73	100 †	30.5	1.0	.5	1–10
						500 ▲	152.4	4.5	2.0	1–10
						1000 ▲	304.8	8.0	3.6	1–10
83010*	16 (19x29)	.012	.30	.076	1.93	100 †	30.5	1.2	.5	1–10
						500 ▲	152.4	6.0	2.7	1–10
						1000 ▲	304.8	11.0	5.0	1–10

*Complies with MIL-W-16878 except stranding.
†100 ft. put-ups are exact, one piece.
▲May contain more than one piece. Length may vary ±10% from length shown.

UL AWM Style 1371 — 105°C
(Type ET) MIL-W-16878/6
Teflon — 250V, 200°C
VW-1

Product Description

Stranded silver-coated copper conductor insulation with extruded TFE Teflon.

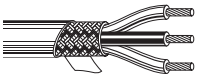
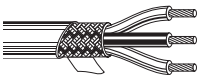
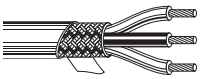
105°C (UL) • **250V, 200°C** (MIL-Spec)										
UL AWM Style 1371 • (Type ET) MIL-W-16878/6 — Teflon										
83041	32 (7x40)	.006	.15	.022	.56	100 ††	30.5	.1	.05	6, 7, 10
						1000 ▲	304.8	1.0	.50	6, 7, 10
83043	30 (7x38)	.006	.15	.024	.61	100 ††	30.5	.1	.05	2, 5, 7–10
						1000 ▲	304.8	1.0	.50	2, 5, 7, 9, 10
83045	28 (7x36)	.006	.15	.027	.69	100 ††	30.5	.1	.05	1, 2, 5, 6, 9, 10
						1000 ▲	304.8	1.0	.50	1, 2, 5, 6, 9, 10
83046	26 (7x34)	.006	.15	.031	.79	100 ††	30.5	.2	.10	1–4, 6–9
						1000 ▲	304.8	2.0	.90	1–4, 6–10
83047	24 (7x32)	.006	.15	.036	.91	100 ††	30.5	.2	.10	6, 8–10
						1000 ▲	304.8	2.0	.90	2, 6, 8–10
83048	24 (19x36)	.006	.15	.036	.91	100 ††	30.5	.2	.10	1–3, 5, 7, 8, 10
						1000 ▲	304.8	2.0	.90	1–3, 5, 7, 8, 10
83049	22 (7x30)	.006	.15	.042	1.07	100 ††	30.5	.3	.10	1–10
						1000 ▲	304.8	4.0	1.80	1–10
83050	22 (19x34)	.006	.15	.042	1.07	100 ††	30.5	.3	.10	1–3, 5–9
						1000 ▲	304.8	4.0	1.80	1–3, 5–9

††100 ft. put-ups are exact, max. 2 pieces. Minimum length of any one piece is 25 ft.
▲May contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

High-Temperature

Overall Braid Shield — Control and Instrumentation Cables
MIL-W-16878/4 (Type E) — Individual Conductors

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
26 AWG Stranded (7x34) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)																		
Extruded TFE Teflon® Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1 	**83303E**	—	1	White	500††	152.4	3.5	1.6	.010	.25	.010	.25	.076	1.93	—	—	44.6	146
					1000▲	304.8	6.0	2.7										
	83317E	—	2	White, Black	100†	30.5	1.4	0.6	.010	.25	.011	.28	.121	3.07	20.8	68	35.5	116
					500††	152.4	6.5	3.0										
					1000▲	304.8	14.0	6.4										
	83332E	—	3	White, Black, Red	100†	30.5	1.7	0.8	.010	.25	.011	.28	.127	3.23	18.8	62	31.4	103
					1000▲	304.8	17.0	7.7										
	83347E	—	4	White, Black, Red, Green	100†	30.5	1.9	0.9	.010	.25	.011	.28	.137	3.48	18.5	61	30.5	100
					500††	152.4	10.0	4.5										
					1000▲	304.8	19.0	8.6										
MIL-Spec MIL-W-16878/4 (Type E).																		
24 AWG Stranded (19x36) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)																		
Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1 	**83304E**	—	1	White	500††	152.4	4.5	2.0	.010	.25	.010	.25	.085	2.16	—	—	46	151
					1000▲	304.8	8.0	3.6										
	83318E	—	2	White, Black	100†	30.5	1.6	0.7	.010	.25	.011	.28	.131	3.33	26.5	87	42.4	139
					500††	152.4	7.5	3.4										
					1000▲	304.8	16.0	7.3										
	83333E	—	3	White, Black, Red	100†	30.5	1.9	0.9	.010	.25	.011	.28	.137	3.48	21.9	72	36.8	121
					500††	304.8	10.0	4.5										
					1000▲	304.8	19.0	8.6										
	83348E	—	4	White, Black, Red, Green	100†	30.5	2.3	1.0	.010	.25	.011	.28	.149	3.79	21.9	72	36.8	121
					500††	152.4	12.0	5.4										
					1000▲	304.8	23.0	10.4										
Complies with MIL-W-16878/4 (Type E) except stranding.																		
22 AWG Stranded (19x34) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)																		
Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1 	**83305E**	—	1	White	100†	30.5	1.1	0.5	.010	.25	.010	.25	.091	2.31	—	—	57.9	190
					500††	152.4	5.0	2.3										
					1000▲	304.8	9.0	4.1										
	83319E	—	2	White, Black	100†	30.5	1.9	0.9	.010	.25	.011	.28	.143	3.63	29.9	98	49.2	161
					500††	152.4	10.0	4.5										
					1000▲	304.8	19.0	8.6										
	83334E	—	3	White, Black, Red	100†	30.5	2.7	1.2	.010	.25	.011	.28	.150	3.81	27.4	90	45.7	150
					500††	152.4	12.5	5.7										
					1000▲	304.8	24.0	10.9										
	83349E	—	4	White, Black, Red, Green	100†	30.5	3.1	1.4	.010	.25	.011	.28	.163	4.14	27.4	90	45.7	150
					500††	152.4	14.5	6.6										
					1000▲	304.8	28.0	12.7										
Complies with MIL-W-16878/4 (Type E) except stranding.																		

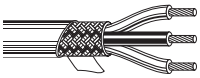
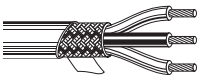
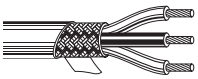
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

†100 ft. put-up one piece, exact length.
††500 ft. put-up exact, but may contain up to 3 pieces. Minimum length of any one piece is 25 ft.
▲Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

High-Temperature

Overall Braid Shield — Control and Instrumentation Cables
MIL-W-16878/4 (Type E) — Individual Conductors

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
20 AWG Stranded (19x32) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)																		
Extruded TFE Teflon® Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1 	**83306E**	—	1	White	100†	30.5	1.4	0.6	.010	.25	.010	.25	.099	2.52	—	—	69	226
					1000▲	304.8	14.0	6.4										
	83320E	—	2	White, Black	100†	30.5	2.6	1.2	.010	.25	.011	.28	.159	4.04	31.7	104	51	167
					500††	152.4	12.0	5.4										
					1000▲	304.8	23.0	10.4										
	83335E	—	3	White, Black, Red	100†	30.5	3.3	1.5	.010	.25	.011	.28	.168	4.27	31.7	104	51	167
					500††	152.4	15.5	7.0										
					1000▲	304.8	30.0	13.6										
	83350E	—	4	White, Black, Red, Green	100†	30.5	4.0	1.8	.010	.25	.011	.28	.183	4.65	31.7	104	51	167
					500††	152.4	19.0	8.6										
					1000▲	304.8	37.0	16.8										
Complies with MIL-W-16878/4 (Type E) except stranding.																		
18 AWG Stranded (19x30) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)																		
Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1 	**83307E**	—	1	White	1000▲	304.8	17.0	7.7	.011	.28	.010	.25	.109	2.77	—	—	71.5	235
	83321E	—	2	White, Black	100†	30.5	3.2	1.5	.011	.28	.011	.28	.179	4.55	31	102	52.8	173
					500††	152.4	15.0	6.8										
					1000▲	304.8	29.0	13.2										
	83336E	—	3	White, Black, Red	100†	30.5	4.2	1.9	.011	.28	.011	.28	.189	4.80	31	102	52.8	173
					500††	152.4	20.0	9.1										
					1000▲	304.8	39.0	17.7										
	83351E	—	4	White, Black, Red, Green	100†	30.5	5.2	2.4	.011	.28	.011	.28	.207	5.26	31	102	52.8	173
					500††	152.4	25.0	11.3										
					1000▲	304.8	51.0	23.1										
Complies with MIL-W-16878/4 (Type E) except stranding.																		
16 AWG Stranded (19x29) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)																		
Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1 	**83308E**	—	1	White	500††	152.4	9.5	4.3	.012	.31	.011	.28	.120	3.05	—	—	72.5	238
					1000▲	304.8	20.0	9.1										
	83322E	—	2	White, Black	100†	30.5	3.8	1.7	.012	.31	.011	.28	.197	5.00	36	118	60	197
					500††	152.4	18.0	8.2										
					1000▲	304.8	35.0	15.9										
	83337E	—	3	White, Black, Red	100†	30.5	5.0	2.3	.012	.31	.011	.28	.209	5.31	30.7	101	53	174
					500††	152.4	24.5	11.1										
					1000▲	304.8	49.0	22.2										
	83352E	—	4	White, Black, Red, Green	100†	30.5	6.2	2.8	.012	.31	.011	.28	.229	5.82	30.2	99	50.8	167
					500††	152.4	30.5	13.8										
					1000▲	304.8	61.0	27.7										
Complies with MIL-W-16878/4 (Type E) except stranding.																		

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

†100 ft. put-up one piece, exact length.
††500 ft. put-up exact, but may contain up to 2 pieces. Minimum length of any one piece is 25 ft.
▲1000 ft. put-up exact, but may contain up to 6 pieces. Minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.

Broadband Coax

CATV Cables

Series 59

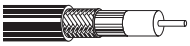
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

Series 59 • 20 AWG Solid .032″ Bare Copper-covered Steel Conductor • Duobond® + Aluminum Braid(s) Shield (67% Coverage)

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C 	**9104**	NEC: CATV CM CEC: CM	U-1000▲ 1000▲	U-304.8 304.8	24.0 24.0	10.9 10.9	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duobond II* + 67% Aluminum Braid 12.0Ω/M′ 39.4Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.92		

▲U-1000 ft. put-ups also available in Beige and White.
1000 ft. put-up available in Black only.

80°C 	**9104N**	—	1000◆	304.8	24.0	10.9	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duobond II* + 67% Aluminum Braid 12.0Ω/M′ 39.4Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.92		

◆1000 ft. put-up also available in White.

Plenum • Foam FEP Teflon® Insulation • Natural Flamarrest® Jacket

75°C 	**9104P**	NEC: CATVP CMP CEC: CMP	1000†	304.8	24.0	10.9	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.140	3.56	Duobond II* + 67% Aluminum Braid 12.0Ω/M′ 39.4Ω/km	.203	5.16	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.4 .8 1.8 2.6 3.8 5.6 7.6 8.8 9.4	1.3 2.6 5.9 8.5 12.5 18.4 24.9 28.9 30.8

Sweep tested 5 MHz to 1 GHz.

Gas-injected Foam High-Density Polyethylene Insulation • Black PVC Jacket

Aerial 80°C 	**9105M** new		1000	304.8	38.0	17.3	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duobond II* + 67% Aluminum Braid 12.0Ω/M′ 39.4Ω/km	.240 x .387	6.10 x 9.83	75	83%	16.2	53.1	See Chart on page 6.92		

Sweep tested 5 MHz to 1 GHz.

80°C 	**9110**	NEC: CATV CM CEC: CM	U-1000▲	U-304.8	24.0	10.9	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duobond III* + 67% Aluminum Braid 12.0Ω/M′ 39.4Ω/km	.242	6.15	75	83%	16.2	53.1	See Chart on page 6.92		

Sweep tested 5 MHz to 1 GHz.

▲U-1000 ft. put-up available in White only.

80°C 	**1186A**	NEC: CATV CM CEC: CM	1000	304.8	27.0	12.3	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duobond IV* + 67% & 46% Aluminum Braids 7.0Ω/M′ 23.0Ω/km	.265	6.73	75	83%	16.2	53.1	See Chart on page 6.92		

Sweep tested 5 MHz to 1 GHz.

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**.

*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).
Duobond III = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).
Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid(67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

Teflon is a DuPont trademark.

Broadband Coax

CATV Cables

Series 59

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
Series 59 • 20 AWG Solid .032″ Bare Copper-covered Steel Conductor • Duofoil® (100% Coverage) + TC Braid Shield(s) (96% Coverage)																			
Plenum • Foam FEP Teflon® Insulation • Black FEP Jacket																			
200°C 	**89108**	NEC: CATVP CMP CEC: CMP	500† 1000†	152.4 304.8	17.0 34.0	7.7 15.4	20 AWG (solid) .032″ BCCS 26.0Ω/M′ 85.3Ω/km	.140	3.56	Duofoil + 96% TC Braid 2.6Ω/M′ 8.5Ω/km	.203	5.16	75	82%	16.5	54.1	10 50 100 200 400 700 900 1000	.7 1.8 2.6 3.7 5.4 7.3 8.4 8.9	2.3 5.9 8.5 12.1 17.7 24.0 27.6 29.2
													Sweep tested 5 MHz to 400 MHz.						
Plenum • Foam FEP Teflon Insulation • Natural Flamarrest® Jacket																			
75°C 	**82108**	NEC: CATVP CMP CEC: CMP FT6, CXC FT4	U-1000† 1000†	U-304.8 304.8	34.0 32.0	15.4 14.5	20 AWG (solid) .032″ BCCS 26.0Ω/M′ 85.3Ω/km	.140	3.56	Duofoil + 96% TC Braid 2.6Ω/M′ 8.5Ω/km	.202	5.13	75	82%	16.5	54.1	10 50 100 200 400 700 900 1000	.8 1.8 2.6 3.7 5.4 7.3 8.4 8.9	2.6 5.9 8.5 12.1 17.7 24.0 27.6 29.2
													Sweep tested 5 MHz to 400 MHz.						
Plenum • Foam FEP Teflon Insulation • Snow Beige FEP Jacket																			
200°C 	**1151A**	NEC: CMP CEC: CMP FT6	1000†	304.8	40.0	18.2	20 AWG (solid) .032″ BCCS 26.0Ω/M′ 85.3Ω/km	.140	3.56	(2) Duofoil Shields + (2) TC Braids 2.3Ω/M′ 7.5Ω/km	.236	5.99	75	84%	16.5	54.1	10 50 100 200 400 700 900 1000	.8 1.8 2.6 3.7 5.4 7.3 8.4 8.9	2.6 5.9 8.5 12.1 17.7 24.0 27.6 29.2
													Sweep tested 5 MHz to 400 MHz.						

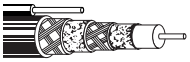
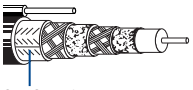
BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

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

Teflon is a DuPont trademark.

Broadband Coax

CATV Cables
Series 11

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
Series 11 • 14 AWG Solid .064″ Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (60% and 40% Coverage)																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**1617A**	NEC: CATV CM CEC: CM	1000	304.8	67.0	30.5	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M′ 9.8Ω/km	.407	10.34	75	83%	16.2	53.1	See Chart on page 6.92		
																			
																	Sweep tested 5 MHz to 1 GHz.		
80°C	**1619AM**	—	1000	304.8	84.0	38.2	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M′ 9.8Ω/km	.407 x .560	10.34 x 14.22	75	83%	16.2	53.1	See Chart on page 6.92		
																			
.072″ (1.8mm) galvanized steel messenger.																	Sweep tested 5 MHz to 1 GHz.		
80°C	**1620AM**	—	1000	304.8	87.0	39.5	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M′ 9.8Ω/km	.407 x .560	10.34 x 14.22	75	83%	16.2	53.1	See Chart on page 6.92		
 CoreGuard®																			
.072″ (1.8mm) galvanized steel messenger.																	Sweep tested 5 MHz to 1 GHz.		
Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)																			
Burial 80°C	**1618A**	—	1000	304.8	61.0	27.7	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M′ 9.8Ω/km	.407	10.34	75	83%	16.2	53.1	See Chart on page 6.92		
 CoreGuard®																			
																	Sweep tested 5 MHz to 1 GHz.		
Series 11 • 14 AWG Solid .064″ BCCS Conductors • Duofoil® (100% Coverage) + TC Braid Shields (60% and 40% Coverage)																			
Plenum • Foam FEP Teflon Insulation • Snow Beige FEP Jacket																			
200°C	**1153A**	NEC: CMP CL2P CEC: CMP FT6	500 1000	152.4 304.8	52.5 106.0	23.9 48.2	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	(2) Duofoil Shields + (2) TC Braids 1.8Ω/M′ 5.9Ω/km	.387	9.83	75	82%	16.2	53.1	1 10 50 100 200 400 700 900 1000	.2 .4 1.2 1.7 2.5 3.5 4.6 5.3 5.6	.7 1.3 3.9 5.6 8.2 11.5 15.1 17.4 18.4
																			
																	Sweep tested 5 MHz to 400 MHz.		

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

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

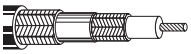
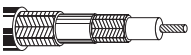
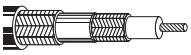
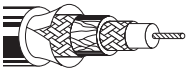
* Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

Teflon is a DuPont trademark.

Video Triax Cable

RG-11/U Type
75 Ohms

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
15 AWG Stranded (19x27) .064″ Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)																			
Gas-injected Foam HDPE Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Purple or Black) Polyethylene Insulation between Braids																			
High-Flex 75°C	**1858A**	—	500 1000	152.4 304.8	80.5 157.0	36.8 71.8	15 AWG (19x27) .064″ BC 3.1Ω/M′ 10.2Ω/km	.312	7.92	(2) BC Braids 95% Coverage Inner: 1.8Ω/M′ 5.9Ω/km Outer: 1.4Ω/M′ 4.6Ω/km	.520	13.20	75	78%	17.3	56.8	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .3 .5 1.2 1.8 2.6 3.1 3.9 4.7 4.8 5.7	.5 1.0 1.6 3.9 5.9 8.5 10.2 12.8 15.4 15.7 18.7
											100% Sweep tested. 5 MHz to 850 MHz.								
Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.																			
Plenum • Foam FEP Teflon® Insulation • Black Fluorocopolymer Jacket (Fluorocopolymer Insulation between Braids)																			
125°C	**1859A**	NEC: CMP CEC: CMP FT6	500 1000	152.4 304.8	66.5 134.0	30.2 60.9	15 AWG (19x27) .064″ BC 3.1Ω/M′ 10.2Ω/km	.285	7.24	(2) BC Braids 95% Coverage Inner: 1.4Ω/M′ 4.6Ω/km Outer: 1.4Ω/M′ 4.6Ω/km	.406	10.30	75	80%	16.5	54.1	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .2 .5 1.3 1.9 3.0 3.6 4.5 5.4 5.6 6.6	.3 .7 1.6 4.3 6.2 9.8 11.8 14.8 17.7 18.4 21.7
											100% Sweep tested. 5 MHz to 850 MHz.								
Suitable for Outdoor and Direct Burial applications and Aerial when supported by a Messenger wire.																			
15 AWG Stranded (19x27) .064″ Bare Copper Conductor • Double Bare Copper Braid Shield (90% Coverage)																			
Gas-injected Foam HDPE Insulation • Yellow PVC Jacket (Polyethylene Insulation between Braids)																			
UL AWM Style 1641 (30V 75°C) VW-1	**9192**	NEC: CL2X	1000	304.8	150.0	68.2	15 AWG (19x27) .064″ BC 3.1Ω/M′ 10.2Ω/km	.312	7.92	(2) BC Braids 90% Coverage Inner: 1.6Ω/M′ 5.3Ω/km Outer: 1.6Ω/M′ 5.3Ω/km	.520	13.20	75	78%	17.3	56.8	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .3 .5 1.2 1.8 2.6 3.1 3.9 4.7 4.8 5.7	.5 1.0 1.6 3.9 5.9 8.5 10.2 12.8 15.4 15.7 18.7
											100% Sweep tested. 5 MHz to 850 MHz.								
Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.																			
Gas-injected Foam HDPE Insulation • Paper Tape Separator • Black Hypalon® Jacket (Polyethylene Insulation between Braids)																			
UL AWM Style 1641 (30V 75°C) VW-1	**9232**	—	500 1000	152.4 304.8	76.5 145.0	19.3 65.9	15 AWG (19x27) .064″ BC 3.1Ω/M′ 10.2Ω/km	.312	7.92	(2) BC Braids 90% Coverage Inner: 1.6Ω/M′ 5.3Ω/km Outer: 1.7Ω/M′ 5.3Ω/km	.520	13.20	75	78%	17.3	56.8	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .3 .5 1.2 1.8 2.6 3.1 3.9 4.7 4.8 5.7	.5 1.0 1.6 3.9 5.9 8.5 10.2 12.8 15.4 15.7 18.7
											100% Sweep tested. 5 MHz to 850 MHz.								
Suitable for Outdoor and Direct Burial applications.																			

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene

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

Teflon is a DuPont trademark.

Hypalon is a DuPont trademark.

50 Ohm Transmission and Computer Cable

RG-188A/U, RG-174/U and RG-58/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
RG-174/U Type • 26 AWG Stranded (7x34) .019″ Bare Copper-covered Steel Conductor • Tinned Copper Braid Shield (90% Coverage)																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 75°C)	**8216**	—	100 500 1000 ††	30.5 152.4 304.8	1.1 5.0 9.0	.5 2.3 4.1	26 AWG (7x34) .019″ BCCS 97.0Ω/M′ 318.2Ω/km	.060	1.52	TC Braid 90% Shield Coverage 10.7Ω/M′ 35.1Ω/km	.110	2.79	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	1.9 3.3 5.8 8.4 12.5 19.0 27.0 31.0 34.0	6.2 10.8 19.0 27.6 41.0 62.3 88.6 101.7 111.5
RG-188A/U Type • 26 AWG Stranded (7x34) .020″ Silver-plated Copper-covered Steel Conductor • SPC Braid Shield (96% Coverage)																			
TFE Teflon® Insulation • White TFE Tape Jacket																			
200°C VW-1 MIL-C-17D	**83269**	—	100 † 500 † 1000 †	30.5 152.4 304.8	2.0 6.5 12.0	.9 2.9 5.5	26 AWG (7x34) .020″ SCCCS 91.2Ω/M′ 299.2Ω/km	.058	1.47	SPC Braid 96% Shield Coverage 8.5Ω/M′ 27.9Ω/km	.098	2.49	50	69.5%	29.0	95.1	1 10 50 100 200 400 700 900 1000	1.2 2.7 5.6 8.3 12.0 17.5 23.7 27.3 29.0	3.9 8.9 18.4 27.2 39.4 57.4 77.8 89.6 95.1
RG-58/U Type • 20 AWG Solid .033″ Bare Copper Conductor • Bare Copper Braid Shield (78% Coverage)																			
Polyethylene Insulation • Black PVC Jacket																			
80°C	**9201**	—	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	13.0 11.5 25.0 23.0	5.9 5.2 11.4 10.4	20 AWG (solid) .033″ BC 10.0Ω/M′ 33.1Ω/km	.116	2.95	BC Braid 78% Shield Coverage 5.5Ω/M′ 18.0Ω/km	.193	4.90	51.5	66%	28.5	93.5	1 10 50 100 200 400 700 900 1000	.3 1.1 2.5 3.8 5.6 8.4 11.7 13.7 14.5	1.1 3.6 8.2 12.5 18.4 27.6 38.4 44.9 47.6
RG-58/U Type • 20 AWG Solid .033″ Bare Copper Conductor • Duobond® II + Tinned Copper Braid Shield (55% Coverage)																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**9310****	—	500 U-1000 1000	152.4 U-304.8 304.8	10.5 22.0 21.0	4.8 10.0 9.5	20 AWG (solid) .033″ BC 9.4Ω/M′ 28.6Ω/km	.114	2.90	Duobond II* + 55% TC Braid 8.0Ω/M′ 24.4Ω/km	.193	4.90	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	.5 1.4 2.8 3.8 5.4 7.9 11.1 12.8 13.9	1.5 4.6 9.2 12.5 17.7 25.9 36.4 42.0 45.6

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SCCCS = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper • TC = Tinned Copper • TFE = Tetra Fluoroethylene

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

*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).
**See Belden's website, www.belden.com, for connector information.
†May contain more than one piece, min. length of any one piece is 25 ft.
††May contain more than one piece, min. length of any one piece is 100 ft. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

50 Ohm Transmission and Computer Cable

RG-58A/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

RG-58A/U Type • 20 AWG Stranded (19x32) .037″ Tinned Copper Conductor • Tinned Copper Braid Shield (96% Coverage)

Foam Polyethylene Insulation • Black or White PVC Jacket

UL AWM	**8219**	NEC:	U-500	U-152.4	13.5	6.1	20 AWG	.114	2.90	TC Braid	.194	4.93	53.5	73%	26.5	86.9	1	.4	1.2
Style 1354		CM	500▲	152.4	13.0	6.0	(19x32)			96% Shield							10	1.3	4.3
(30V 80°C)		CEC:	U-1000▲	U-304.8	27.0	12.3	.037″			Coverage							50	3.1	10.2
		CM	1000	304.8	26.0	11.8	TC			4.1Ω/M′							100	4.5	14.8
							8.8Ω/M′			13.4Ω/km							200	6.6	21.7
							28.9Ω/km										400	10.0	32.8
																	700	14.2	46.6
																	900	16.6	54.5
																	1000	18.1	59.4

P-MSHA • SC-182/5**

▲500 ft. and U-1000 ft. put-ups available in Black only. Black jacket suitable for Aerial (when supported by a messenger) and Outdoor applications.

RG-58A/U Type • 20 AWG Stranded (19x32) .037″ Tinned Copper Conductor • Duobond® II* + Tinned Copper Braid Shield (55% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket

UL AWM	**9311****	NEC:	500	152.4	10.5	4.8	20 AWG	.114	2.90	Duobond II*	.193	4.90	52	75%	26.0	85.3	1	.5	1.6
Style 1354		CM	U-1000	U-304.8	23.0	10.5	(19x32)			+ 55% TC							10	1.5	4.9
(30V 80°C)		CEC:	1000	304.8	21.0	9.5	.037″			Braid							50	2.9	9.5
		CM					TC			17.0Ω/M′							100	4.0	13.1
							8.8Ω/M′			55.8Ω/km							200	5.7	18.7
							28.9Ω/km										400	8.5	27.9
																	700	12.2	40.0
																	900	14.5	47.6
																	1000	15.8	51.8

RG-58A/U Type • 20 AWG Stranded (19x33) .035″ Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black PVC Jacket

75°C	**8259**	—	100	30.5	3.5	1.6	20 AWG	.116	2.95	TC Braid	.192	4.88	50	66%	30.8	101.0	1	.4	1.4
			U-500	U-152.4	13.5	6.1	(19x33)			95% Shield							10	1.5	4.9
			500	152.4	13.5	6.1	.035″			Coverage							50	3.7	12.1
			U-1000	U-304.8	25.0	11.3	TC			4.1Ω/M′							100	5.4	17.7
			1000	304.8	26.0	11.8	10.8Ω/M′			13.4Ω/km							200	8.1	26.6
							35.4Ω/km										400	12.4	40.7
																	700	17.7	58.1
																	900	21.1	69.2
																	1000	22.8	74.8

Suitable for Aerial (when supported by a messenger) and Outdoor applications.

RG-58A/U Type • 20 AWG Solid Bare Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

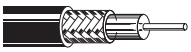
Polyethylene Insulation • Black PVC Jacket

UL AWM	**8240**	NEC:	100	30.5	3.6	1.6	20 AWG	.116	2.95	TC Braid	.193	4.90	51.5	66%	28.5	93.5	1	.3	1.1
Style 1354		CMX	U-500	U-152.4	14.0	6.4	(solid)			95% Shield							10	1.1	3.6
(30V 80°C)		CEC:	500	152.4	13.0	5.9	.033″			Coverage							50	2.5	8.2
VW-1		CMX	U-1000	U-304.8	27.0	12.3	BC			4.1Ω/M′							100	3.8	12.5
			1000	304.8	26.0	11.8	10.0Ω/M′			13.4Ω/km	For Plenum versions of 8240, see 88240 or 82240.						200	5.6	18.4
							32.8Ω/km										400	8.4	27.6
																	700	11.7	38.4
																	900	13.7	44.9
																	1000	14.5	47.6

Suitable for Aerial (when supported by a messenger) and Outdoor applications.

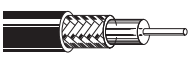
Plenum • FEP Teflon® Insulation • Black FEP Teflon Jacket

200°C	**88240**	NEC:	500†	152.4	12.0	5.4	20 AWG	.107	2.72	TC Braid	.159	4.04	53.5	69.5%	26.4	86.6	1	.5	1.6
		CMP	1000†	304.8	24.0	10.9	(solid)			95% Shield							10	1.2	3.9
		CEC:					.032″			Coverage							50	3.0	9.8
		CMP FT6					BC			6.7Ω/M′							100	4.3	14.2
							10.2Ω/M′			22.0Ω/km							200	6.4	21.0
							33.5Ω/km										400	9.7	31.7
																	700	13.7	45.0
																	900	16.1	52.8
																	1000	17.3	56.6



Plenum • FEP Teflon Insulation • Natural Flamarrest® Jacket

75°C	**82240**	NEC:	U-500†	U-152.4	13.5	6.1	20 AWG	.107	2.72	TC Braid	.159	4.04	53.5	69.5%	26.4	86.6	1	.5	1.6
		CMP	U-1000†	U-304.8	26.0	11.8	(solid)			95% Shield							10	1.2	3.9
		CEC:	1000†	304.8	24.0	10.9	.032″			Coverage							50	3.0	9.8
		CMP FT6					BC			6.7Ω/M′							100	4.3	14.2
							10.2Ω/M′			22.0Ω/km							200	6.4	21.0
							33.5Ω/km										400	9.7	31.7
																	700	13.7	45.0
																	900	16.1	52.8
																	1000	17.3	56.6



BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

**Pennsylvania Department of Environmental Resource and United States Mine Safety and Health Administration certification.

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

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

See Belden's website, www.belden.com, for connector information.

Teflon is a DuPont trademark.

Conformable® Coax Cable

50 Ohm Microwave Cables

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
M17/151 Type • 29 AWG Solid .011″ Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon® Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1674A***	—	50 100 500 1000	15.2 30.5 152.4 304.8	.2 .4 2.0 5.0	.1 .2 .9 2.3	29 AWG (solid) .011″ SPCCS 205.0Ω/M′ 672.4Ω/km	.034	.85	CT Composite 100% Shield Coverage 8.0Ω/M′ 26.2Ω/km	.047	1.19	50	69.5%	29.5	96.8	500 1000 2000 3000 5000 7000 10000 15000 18000 20000	25.0 36.7 53.8 67.3 89.2 107.5 130.9 163.8 181.1 192.0	82.0 120.3 176.5 220.8 292.8 352.6 429.5 537.4 594.3 630.0
M17/151 Type • 29 AWG Solid .011″ Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1674B***	—	100 †† 500 †† 1000 ††	30.5 152.4 304.8	.4 2.0 5.0	.2 .9 2.3	29 AWG (solid) .011″ SPC 81.2Ω/M′ 266.4Ω/km	.034	.85	CT Composite 100% Shield Coverage 8.0Ω/M′ 26.2Ω/km	.047	1.19	50	69.5%	29.5	96.8	500 1000 2000 3000 5000 7000 10000 15000 18000 20000	25.0 36.7 53.8 67.3 89.2 107.5 130.9 163.8 181.1 192.0	82.0 120.3 176.5 220.8 292.8 352.6 429.5 537.4 594.3 630.0
RG-405/U Type • 24 AWG Solid .020″ Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1671A***	—	50 100 500 † 1000 †	15.2 30.5 152.4 304.8	2.0 2.5 7.5 14.0	.9 1.1 3.4 6.4	24 AWG (solid) .020″ SPCCS 64.2Ω/M′ 210.6Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.2Ω/M′ 33.5Ω/km	.085	2.16	50	69.5%	29.5	96.8	500 1000 2000 3000 5000 7000 10000 15000 18000 20000	15.0 22.2 32.8 41.2 54.9 66.4 81.2 102.0 113.0 120.0	49.2 72.8 107.6 135.2 180.1 217.9 266.4 334.7 370.8 393.7
Suitable for Outdoor applications.																			
TFE Teflon Insulation • PVC Jacket (Black or Clear)																			
UL AWM Style 10245 (30V 105°C)	**1671J***	—	100 †▲ 500 † 1000 †	30.5 152.4 304.8	2.9 9.5 17.0	1.3 4.7 7.7	24 AWG (solid) .020″ SPCCS 64.2Ω/M′ 210.6Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.2Ω/M′ 33.5Ω/km	.127	3.23	50	69.5%	29.5	96.8	500 1000 2000 3000 5000 7000 10000 15000 18000 20000	15.0 22.2 32.8 41.2 54.9 66.4 81.2 102.0 113.0 120.0	49.2 72.8 107.6 135.2 180.1 217.9 266.4 334.7 370.8 393.7
▲100 ft. put-up available in Black only. Suitable for Outdoor applications.																			
RG-405/U Type • 24 AWG Solid .020″ Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1671B**	—	500 †† 1000 ††	152.4 304.8	7.0 13.0	3.2 6.0	24 AWG (solid) .020″ SPC 25.7Ω/M′ 84.3Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.2Ω/M′ 33.5Ω/km	.085	2.16	50	69.5%	29.5	96.8	500 1000 2000 3000 5000 7000 10000 15000 18000 20000	15.0 22.2 32.8 41.2 54.9 66.4 81.2 102.0 113.0 120.0	49.2 72.8 107.6 135.2 180.1 217.9 266.4 334.7 370.8 393.7
Suitable for Outdoor applications.																			

CT = Copper-Tin • DCR = DC Resistance • SPC = Silver-plated Copper • SPCCS = Silver-coated Copper-covered Steel • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

†250 ft. put-up: Exact 3 pieces (maximum), 50 feet minimum length
500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length
1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

††May contain more than one piece. Min. length of any one piece is 25 ft.

Teflon is a Dupont trademark.

Conformable® Coax Cable

50 Ohm Microwave Cables

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
RG-402/U Type • 19 AWG Solid .036″ Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon® Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1673A***	—	50	15.2	3.3	1.5	19 AWG (solid) .036″ SPCCS 20.5Ω/M′ 67.3Ω/km	.116	2.95	CT Composite 100% Shield Coverage 4.5Ω/M′ 14.8Ω/km	.138	3.51	50	69.5%	29.5	96.8	500	8.0	26.2
			100	30.5	3.9	1.8											1000	12.0	39.4
			250†	76.2	8.0	3.6											2000	18.1	59.4
			500	152.4	15.0	6.8											3000	22.9	75.1
																	5000	31.0	101.7
																	7000	37.8	124.0
																	10000	46.6	152.9
																	15000	59.1	193.9
																	18000	65.8	215.9
																	20000	70.0	229.7
TFE Teflon Insulation • Black PVC Jacket																			
UL AWM Style 10245 (30V 105°C)	**1673J***	—	100	30.5	5.1	2.3	19 AWG (solid) .036″ SPCCS 20.5Ω/M′ 67.3Ω/km	.116	2.95	CT Composite 100% Shield Coverage 4.5Ω/M′ 14.8Ω/km	.178	4.52	50	69.5%	29.5	96.8	500	8.0	26.2
			500†	152.4	17.5	8.0											1000	12.0	39.4
																	2000	18.1	59.4
																	3000	22.9	75.1
																	5000	31.0	101.7
																	7000	37.8	124.0
																	10000	46.6	152.9
																	15000	59.1	193.9
																	18000	65.8	215.9
																	20000	70.0	229.7
RG-402/U Type • 19 AWG Solid .036″ Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1673B***	—	100††	30.5	3.9	1.8	19 AWG (solid) .036″ SPC 7.9Ω/M′ 25.9Ω/km	.116	2.95	CT Composite 100% Shield Coverage 4.5Ω/M′ 14.8Ω/km	.138	3.51	50	69.5%	29.5	96.8	500	8.0	26.2
			250††	76.2	8.0	3.6											1000	12.0	39.4
			500††	152.4	14.5	6.6											2000	18.1	59.4
																	3000	22.9	75.1
																	5000	31.0	101.7
																	7000	37.8	124.0
																	10000	46.6	152.9
																	15000	59.1	193.9
																	18000	65.8	215.9
																	20000	70.0	229.7
RG-401/U Type •14 AWG Solid .065″ Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1675A***	—	50†	15.2	4.1	1.8	14 AWG (solid) .065″ SPC 2.5Ω/M′ 8.2Ω/km	.210	5.33	CT Composite 100% Shield Coverage 8.0Ω/M′ 26.2Ω/km	.246	6.25	50	69.5%	29.6	97.1	400	3.8	12.5
			100††	30.5	8.1	3.7											500	4.4	14.4
			250††	76.2	20.3	9.2											1000	6.8	22.3
			500††	152.4	40.5	18.4											2000	10.4	34.1
																	3000	13.4	44.0
																	5000	18.5	60.7
																	7000	22.8	74.8
																	10000	28.4	93.2
																	15000	36.6	120.1
																	18000	41.0	134.5

CT = Copper-Tin • DCR = DC Resistance • SPCCS = Silver-plated Copper-covered Steel • SPC = Silver-plated Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

* Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

†250 ft. put-up: Exact 3 pieces (maximum), 50 feet minimum length
500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length
1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

††May contain more than one piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.

Conformable® Coax Cable

75 Ohm High-Frequency Video Cables

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
29 AWG Solid .011″ Silver-coated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon® Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1672A***	—	500†	152.4	7.5	3.4	29 AWG (solid) .011″ SCCCS 205.0Ω/M′ 672.4Ω/km	.062	1.58	CT Composite 100% Shield Coverage 10.0Ω/M′ 32.8Ω/km	.087	2.21	75	69.5%	19.5	64.0	1	1.6	5.3
			1000†	304.8	14.0	6.4											10	1.8	5.9
																	50	4.1	13.5
																	100	6.5	21.3
																	200	9.0	29.5
																	400	12.8	42.0
																	700	18.0	59.1
																	1000	22.1	72.5
TFE Teflon Insulation • PVC Jacket (Black or Clear)																			
UL AWM Style 10245 (30V 105°C)	**1672J***	—	100††▲	30.5	3.1	1.4	29 AWG (solid) .011″ SCCCS 205.0Ω/M′ 672.6Ω/km	.062	1.58	CT Composite 100% Shield Coverage 10.0Ω/M′ 32.8Ω/km	.127	3.23	75	69.5%	19.5	64.0	1	1.6	5.3
			500††	152.4	9.5	4.3											10	1.8	5.9
			1000†	304.8	17.0	7.7											50	4.1	13.5
																	100	6.5	21.3
																	200	9.0	29.5
																	400	12.8	42.0
																	700	18.0	59.1
																	1000	22.1	72.5

▲100 ft. put-up available in Clear only.

29 AWG Solid .011″ Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)

TFE Teflon Insulation • Unjacketed

UL AWM Style 10245 (30V 105°C)	**1672B***	—	100††	30.5	2.5	1.1	29 AWG (solid) .011″ SPC 11.0Ω/M′ 36.1Ω/km	.062	1.58	CT Composite 100% Shield Coverage 10.0Ω/M′ 32.8Ω/km	.087	2.21	75	69.5%	19.5	64.0	1	1.6	5.3
			500††	152.4	7.5	3.4											10	1.8	5.9
			1000††	304.8	14.0	6.4											50	4.1	13.5
																	100	6.5	21.3
																	200	9.0	29.5
																	400	12.8	42.0
																	700	18.0	59.1
																	1000	22.1	72.5

Non-ferrous design.

CT = Copper Tin • DCR = DC Resistance • SCCCS = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

* Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

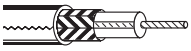
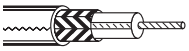
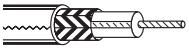
†250 ft. put-up: Exact 3 pieces (maximum), 50 feet minimum length
500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length
1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

††May contain more than 1 piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.

MIL-C-17G QPL Cable

50 Ohm Coax

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
30 AWG Stranded (7x38) .012″ Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (96% Coverage)																			
TFE Teflon® Insulation • White FEP Jacket																			
200°C VW-1	**83265**	—	100† 500† 1000†	30.5 152.4 304.8	.8 4.0 6.0	.4 1.6 3.2	30 AWG (7x38) .012″ SPCCS 244.0Ω/M′ 801.0Ω/km	.033	.84	SPC Braid 96% Shield Coverage 14.6Ω/M′ 47.9Ω/km	.071	1.80	50	69.5%	29.0	95.1	1 10 50 100 200 400 700 900 1000	2.6 5.6 10.5 14.0 19.0 28.0 37.0 42.5 46.0	8.5 18.4 34.5 45.9 62.3 91.9 121.4 139.4 150.9
																			
M17/169-00001 (RG-178B/U). Non-SWR swept version of RG-178.																			
26 AWG Stranded (7x34) .020″ Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)																			
TFE Teflon Insulation • White FEP Jacket																			
200°C VW-1	**83284**	—	100† 500† 1000†	30.5 152.4 304.8	1.2 5.5 11.0	.5 2.7 5.0	26 AWG (7x34) .020″ SPCCS 84.1Ω/M′ 275.9Ω/km	.058	1.47	SPC Braid 95% Shield Coverage 6.5Ω/M′ 21.3Ω/km	.098	2.49	50	69.5%	29.0	95.1	1 10 50 100 200 400 700 900 1000	1.2 2.7 5.6 8.3 12.0 17.5 23.7 27.3 29.0	3.9 8.9 18.4 27.2 39.4 57.4 77.8 89.6 95.1
																			
M17/172-00001 (RG-316/U). Non-SWR swept version of RG-316.																			
TFE Teflon Insulation • Brown FEP Jacket																			
200°C VW-1	**84316**	—	100† 500† 1000†	30.5 152.4 304.8	1.2 5.5 11.0	.5 2.5 5.0	26 AWG (7x34) .020″ SPCCS 84.1Ω/M′ 275.9Ω/km	.058	1.47	SPC Braid 95% Shield Coverage 6.5Ω/M′ 21.3Ω/km	.098	2.49	50	69.5%	29.0	95.1	1 10 50 100 200 400 700 900 1000	1.2 2.7 5.6 8.3 12.0 17.5 23.7 27.3 29.0	3.9 8.9 18.4 27.2 39.4 57.4 77.8 89.6 95.1
																			
M17/113-RG316																			
22 AWG Stranded (27x36) .030″ Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 80°C) VW-1	**9252**	NEC: CMX CEC: CMX	1000	304.8	18.0	8.2	22 AWG (27x36) .030″ TC 17.1Ω/M′ 56.1Ω/km	.096	2.44	TC Braid Shield 95% Shield Coverage 5.2Ω/M′ 17.1Ω/km	.160	4.06	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	.4 1.7 4.5 7.0 11.0 16.5 23.5 27.3 29.0	1.3 5.6 14.8 23.0 36.1 54.1 77.1 89.6 95.1
																			
M17/157-00001 (RG-122/U). Non-SWR swept version of RG-122.																			

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-plated Copper • SPCCS = Silver-plated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†May contain more than one piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.

MIL-C-17G QPL Cable

50 Ohm Coax

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
20 AWG Stranded (19x33) .035″ Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
85°C	**9203**	—	500	152.4	12.5	5.7	20 AWG (19x33) .035″ TC 10.8Ω/M′ 35.4Ω/km	.116	2.95	TC Braid 95% Shield Coverage 4.1Ω/M′ 13.5Ω/km	.195	4.95	50	66%	30.8	101.0	1	.4	1.3
			1000	304.8	25.0	12.3											10	1.4	4.6
																	50	3.3	10.8
																	100	4.9	16.1
																	200	7.3	24.0
																	400	11.5	37.7
																	700	17.0	55.8
																	900	20.0	65.6
M17/28-RG58																	1000	21.5	70.5
85°C	**8262**	—	U-500	U-152.4	13.5	6.1	20 AWG (19x33) .035″ TC 10.8Ω/M′ 35.4Ω/km	.115	2.92	TC Braid 95% Shield Coverage 4.1Ω/M′ 13.5Ω/km	.195	4.95	50	66%	30.8	101.0	1	.4	1.3
			500	152.4	12.5	5.7											10	1.4	4.6
			U-1000	U-304.8	26.0	11.8											50	3.3	10.8
			1000	304.8	25.0	11.3											100	4.9	16.1
																	200	7.3	24.0
																	400	11.5	37.7
																	700	17.0	55.8
																	900	20.0	65.6
M17/155-00001 (RG-58C/U). Non-SWR swept version of RG-58.																	1000	21.5	70.5
19 AWG Solid .034″ Silver-coated Copper Conductor • Double Silver-coated Copper Braid Shield (95% Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**9273**	NEC: CMX	100	30.5	4.7	2.1	19 AWG (solid) .034″ SCC 8.8Ω/M′ 28.9Ω/km	.117	2.97	(2) SCC Braids 95% Shield Coverage 2.5Ω/M′ 8.2Ω/km	.212	5.39	50	66%	30.8	101.0	1	.4	1.3
		CEC: CMX	U-500	U-152.4	20.0	9.1											10	1.2	3.9
			500	152.4	18.5	8.4											50	2.8	9.2
			U-1000	U-304.8	39.0	17.7											100	4.1	13.5
			1000	304.8	37.0	16.8											200	6.0	19.7
																	400	8.8	28.9
																	700	12.0	39.4
																	900	13.8	45.3
M17/167-00001 (RG-223/U). Non-SWR swept version of RG-223.																	1000	14.5	47.6
18 AWG Solid .037″ Silver-coated Copper-covered Steel Conductor • Double Silver-coated Copper Braid Shield (96% Coverage)																			
Plenum • TFE Teflon® Insulation • Tinted Brown FEP Jacket																			
200°C VW-1	**84142**	NEC: CMP	100	30.5	5.0	2.3	18 AWG (solid) .037″ SCCCS 19.3Ω/M′ 63.3Ω/km	.116	2.95	(2) SCC Braids 96% Shield Coverage 2.3Ω/M′ 7.5Ω/km	.195	4.95	50	70%	29.0	95.1	10	1.1	3.6
			500†	152.4	22.5	10.2											50	2.6	8.5
		CEC: CMP FT6	1000†	304.8	46.0	20.9											100	3.8	12.5
																	200	5.4	17.7
																	400	7.9	25.9
																	700	10.7	35.1
																	900	12.3	40.4
																	1000	13.1	43.0
M17/60-RG142																	2000	19.3	63.3
200°C VW-1	**83242**	NEC: CMP	100†	30.5	5.3	2.4	18 AWG (solid) .037″ SCCCS 19.3Ω/M′ 63.3Ω/km	.116	2.95	(2) SCC Braids 96% Shield Coverage 2.3Ω/M′ 7.5Ω/km	.195	4.95	50	70%	29.0	95.1	10	1.1	3.6
			500†	152.4	22.5	10.2											50	2.6	8.5
		CEC: CMP FT6	1000†	304.8	46.0	20.9											100	3.8	12.5
																	200	5.4	17.7
																	400	7.9	25.9
																	700	10.7	35.1
																	900	12.3	40.4
																	1000	13.1	43.0
M17/158-00001 (RG-142B/U). Non-SWR swept version of RG-142.																	2000	19.3	63.3
18 AWG Solid .037″ Silver-coated Copper-covered Steel Conductor • Silver-coated Copper Braid Shield (95% Coverage)																			
Plenum • TFE Teflon Insulation • Tinted Brown FEP Jacket																			
200°C VW-1	**84303**	NEC: CL2P	500†	152.4	16.5	7.5	18 AWG (solid) .037″ SCCCS 16.3Ω/M′ 53.5Ω/km	.116	2.95	SCC Braid Shield 95% Shield Coverage 4.3Ω/M′ 14.1Ω/km	.170	4.31	50	70%	29.0	95.1	10	1.1	3.6
			1000†	304.8	32.0	14.5											50	2.6	8.5
																	100	3.8	12.5
																	200	5.4	17.7
																	400	7.9	25.9
																	700	10.7	35.1
																	900	12.3	40.4
																	1000	13.1	43.0
M17/111-RG303																	2000	19.3	63.3

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SCC = Silver-coated Copper • SCCCS = Silver-coated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

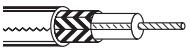
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†May contain more than one piece, minimum length of any 1 piece is 25 feet.

Teflon is a DuPont trademark.

MIL-C-17G QPL Cable

75 Ohm Coax

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
30 AWG Stranded (7x38) .012″ Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (94% Coverage)																			
TFE Teflon® Insulation • Tinted Brown FEP Jacket																			
200°C VW-1	**83264**	—	100† 500† 1000†	30.5 152.4 304.8	1.2 5.5 11.0	.5 2.5 5.0	30 AWG (7x38) .012″ SPCCS 244.0Ω/M′ 801.0Ω/km	.062	1.58	SPC Braid 94% Shield Coverage 8.5Ω/M′ 27.4Ω/km	.100	2.54	75	69.5%	19.5	64.0	1 10 50 100 200 400 700 900 1000	3.0 5.3 8.5 10.0 12.5 16.0 19.7 22.3 24.0	9.8 17.4 27.9 32.8 41.0 52.5 64.6 73.2 78.7
																			
M17/94-RG179																			
23 AWG Solid .023″ Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C VW-1	**9204**	NEC: CMH CEC: CMH FT1	500 U-1000 1000	152.4 U-304.8 304.8	18.0 38.0 39.0	8.2 17.3 17.7	23 AWG (solid) .023″ BCCS 47.0Ω/M′ 154.2Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.241	6.12	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
																			
M17/29-RG59																			
18 AWG Stranded (7x26) .048″ Tinned Copper Conductor • Bare Copper Braid Shield (97% Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C VW-1	**9212**	NEC: CMH CEC: CMH FT1	1000	304.8	105.0	47.7	18 AWG (7x26) .048″ TC 6.1Ω/M′ 20.0Ω/km	.285	7.24	BC Braid 97% Shield Coverage 1.2Ω/M′ 3.9Ω/km	.405	10.29	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	.2 .7 1.3 2.0 2.9 4.2 5.8 6.9 7.2	.7 2.3 4.3 6.6 9.5 13.8 19.0 22.6 23.6
																			
M17/6-RG11																			
18 AWG Stranded (7x26) .048″ Tinned Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C VW-1	**9850**	NEC: CMH CEC: CMH FT1	1000	304.8	131.0	59.5	18 AWG (7x26) .048″ TC 6.1Ω/M′ 20.0Ω/km	.285	7.24	(2) BC Braids 95% Shield Coverage .8Ω/M′ 2.6Ω/km	.425	10.80	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	.2 .7 1.3 2.0 2.9 4.2 5.8 6.8 7.1	.6 2.2 4.3 6.6 9.5 13.8 19.0 22.3 23.3
																			
M17/77-RG216																			

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SPCCS = Silver-plated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

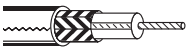
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†May contain more than one piece, minimum length of any 1 piece is 25 feet.

Teflon is a DuPont trademark.

MIL-C-17G QPL Cable

93 Ohm, 95 Ohm and 125 Ohm Coax

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
93 Ohm • 22 AWG Solid .025″ Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)																			
Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**9862**	NEC: CMX CEC: CMX	1000	304.8	37.0	16.8	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.2Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.242	6.15	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	1.0 3.0 6.2 8.9 12.5 17.4 24.0 26.9 28.5
 M17/30-RG62																			
93 Ohm • 22 AWG Solid .025″ Bare Copper-covered Steel Conductor • BC Outer Braid/TC Inner Braid Shield (95% Coverage)																			
Semi-solid Polyethylene Insulation • Black Polyethylene Jacket																			
85°C	**9169**	—	1000	304.8	46.0	20.9	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.2Ω/km	.146	3.71	(2) Braids Inner: BC Outer: TC 95% Shield Coverage 1.5Ω/M′ 4.9Ω/km	.245	6.22	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	1.0 3.0 6.2 8.9 12.5 17.4 24.0 26.9 28.5
 M17/90-RG71																			
95 Ohm • 30 AWG Stranded (7x38) .012″ Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (91% Coverage)																			
TFE Teflon® Insulation • Tinted Brown FEP Jacket																			
200°C VW-1	**83266**	—	1000†	304.8	20.0	9.1	30 AWG (7x38) .012″ SPCCS 244.0Ω/M′ 801.0Ω/km	.102	2.60	SPC Braid 91% Shield Coverage 6.5Ω/M′ 21.3Ω/km	.141	3.58	95	69.5%	15.0	49.2	1 10 50 100 200 400 700 900 1000	2.4 3.3 4.6 5.7 7.6 10.7 14.9 15.9 17.0	7.9 10.8 15.1 18.7 24.9 35.1 48.9 52.2 55.8
 M17/95-RG180																			
125 Ohm • 22 AWG Solid .025″ Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (97% Coverage)																			
Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C	**9857**	NEC: CMH CEC: CMH FT1	1000	304.8	94.0	42.6	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.2Ω/km	.285	7.24	BC Braid 97% Shield Coverage 1.2Ω/M′ 3.9Ω/km	.405	10.29	125	84%	9.7	31.8	1 10 50 100 200 400 700 900 1000	.2 .5 1.1 1.5 2.3 3.4 4.6 5.5 5.8	1.0 1.6 3.6 4.9 7.5 11.2 15.1 18.0 19.0
 M17/31-RG63																			

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-plated Copper • SPCCS = Silver-plated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†May contain more than 1 piece, minimum length of any one piece is 25 feet.

Teflon is a DuPont trademark.

MIL-C-17G QPL Cable

Twinax

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
Twinax • 24 AWG Stranded (19x36) .024″ Silver-coated High-Strength Copper Alloy Conductor • SCHSCA Braid Shield (93% Coverage)																			
TFE Teflon® Insulation • Blue PFA Jacket (Color Code: White, Blue)																			
200°C	**81553**	—	500†	152.4	9.0	4.1	24 AWG (19x36) .024″ SCHSCA 24.0Ω/M′ 78.7Ω/km	.084	2.13	SCHSCA 93% Shield Coverage 7.3Ω/M′ 24.0Ω/km	.129	3.28	77	70%	24.0	78.7	1	1.2	3.9
			1000†	304.8	16.0	7.3											10	4.0	13.1
																	50	9.2	30.2
																	100	13.0	42.7
																	200	18.4	60.4
																	400	26.1	85.6
																	700	34.6	113.5
																	900	39.3	128.9
M17/176-00002																	1000	41.4	135.8
Twinax • 20 AWG Stranded (7x28) .038″ Tinned Copper Conductor • Tinned Copper Braid Shield (85% Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket (One conductor has bare strand for ID)																			
85°C	**9859**	—	1000	304.8	33.0	15.0	20 AWG (7x28) .038″ TC 9.5Ω/M′ 31.2Ω/km	.158	4.01	TC Braid 85% Shield Coverage 5.3Ω/M′ 17.4Ω/km	.235	5.97	78	66%	19.7	64.6	1	.7	2.3
																	10	2.3	7.5
																	50	5.2	17.1
																	100	7.5	24.6
																	200	11.0	36.1
																	400	16.0	52.5
M17/45-RG108																			

DCR = DC Resistance • PFA = Perfluoroalkoxy • SCHSCA = Silver-coated High-strength Copper Alloy • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

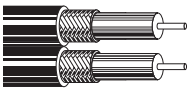
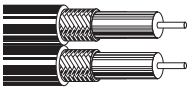
†Spools may contain more than one piece. Minimum length of any one piece is 50 ft. Length may vary ±10% from length shown for spools or reels and ±5% UnReel® cartons.

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

Computer and Instrumentation Cable

75 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
75 Ohm • 30 AWG Stranded (7x38) .012″ Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)																			
TFE Teflon® Insulation • White TFE Tape Jacket																			
200°C VW-1	**83267**	—	100† 1000†	30.5 304.8	1.9 11.0	.9 5.0	30 AWG (7x38) .012″ SPCCS 244.0Ω/M′ 801.0Ω/km	.063	1.60	SPC Braid 95% Shield Coverage 8.6Ω/M′ 28.2Ω/km	.103	2.62	75	69.5%	19.5	64.0	1 10 50 100 200 400 700 900 1000	3.0 5.3 8.5 10.0 12.5 16.0 19.7 22.3 24.0	9.8 17.4 27.9 32.8 41.0 52.5 64.6 73.2 78.7
																			
RG-187A/U Type • MIL-C-17D																			
75 Ohm • Dual RG-59/U Type • 23 AWG Solid .023″ Bare Copper-covered Steel Conductors • Bare Copper Braid Shield (95% Coverage)																			
Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 20063 (300V 80°C)	**9555**	NEC: CM CEC: CM	500 1000 2000	152.4 304.8 609.6	38.5 78.0 152.0	17.5 35.4 69.0	23 AWG (solid) .023″ BCCS 50.0Ω/M′ 164.0Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.238 x .478	6.05 x 12.14	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
											For Plenum version of see 89555.								
75 Ohm • Dual RG-59/U Type • 23 AWG Solid .023″ Bare Copper-covered Steel Conductors • Bare Copper Braid Shield (97% Coverage)																			
Plenum • FEP Insulation • Clear FEP Jacket																			
200°C	**89555**	NEC: CMP CEC: CMP FT6	500 1000	152.4 304.8	46.5 90.0	21.1 40.9	23 AWG (solid) .023″ BCCS 50.0Ω/M′ 164.0Ω/km	.134	3.40	BC Braid 97% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.212 x .424	5.39 x 10.77	75	70%	19.5	64.0	1 10 50 100 200 400 700 900 1000	.5 1.1 2.5 3.5 5.1 7.5 10.4 12.0 12.7	1.6 3.6 8.2 11.5 16.7 24.6 34.1 39.4 41.7
																			
Suitable for Outdoor and Direct Burial applications.																			
75 Ohm • RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (100% Coverage)																			
Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket																			
	3131A	NEC: CL2R, CMR CEC: CMR FT4	1000 2500††	304.8 762.2	39.0 97.5	17.7 44.3	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond IV* Quad Shield 3.6Ω/M′ 11.8Ω/km	.300	7.62	75	82%	16.2	53.2	1 2 5 10 20 50 100 200 300 400	.35 .38 .45 .59 .86 1.37 1.97 2.82 3.48 4.04	1.15 1.25 1.48 1.94 2.82 4.50 6.46 9.25 11.42 13.26
											Sweep tested 5 MHz to 400 MHz. CPE jacket optional.								
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																			
150°C	**3132A**	NEC: CMP CEC: CMP FT6	1000	304.8	36.0	16.4	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 19.9Ω/km	.170	4.32	Duobond IV* Quad Shield 7.2Ω/M′ 23.6Ω/km	.274	6.96	75	82%	16.3	53.5	1 2 5 10 20 50 100 200 300 400	.36 .38 .50 .65 .95 1.50 2.12 2.99 3.66 4.23	1.18 1.25 1.64 2.13 3.12 4.92 6.96 9.81 12.01 13.88
											For Non-plenum version see 3131A. Sweep tested 5 MHz to 400 MHz.								
Suitable for Outdoor and Direct Burial applications.																			
75 Ohm • RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV Quad Shield (100% Coverage)																			
Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket																			
	3094A	NEC: CL2R, CMR CEC: CMG FT4	500 1000 2000	152.4 304.8 609.6	34.5 69.0 136.0	15.7 31.3 61.7	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV* Quad Shield 1.5Ω/M′ 4.9Ω/km	.407	10.34	75	82%	16.2	53.2	1 2 5 10 20 50 100 200 300 400	.16 .18 .26 .38 .55 .83 1.17 1.60 1.99 2.30	.53 .59 .85 1.25 1.81 2.72 3.84 5.25 6.53 7.55
											Sweep tested 5 MHz to 400 MHz. CPE jacket optional.								
Tap marks every 2.6 meters to aid users in installation.																			

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-coated Copper • SPCCS = Silver-coated Copper-covered Steel • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

* Duobond IV = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).
† May contain more than one piece, minimum length of any one piece is 25 ft.
†† Spools may contain more than one piece. Final put-up may vary ±10% for spools and reels and ±5% for UnReel® cartons. 25 feet minimum length.

Teflon is a DuPont trademark.

Computer and Instrumentation Cable

93 Ohm Coax

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
RG-62/U Type • 22 AWG Solid .025″ Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (94% Coverage)																			
Plenum • Semi-solid FEP Teflon® Insulation • Black or White Tint FEP Jacket																			
200°C	**89269**	NEC:	100▲	30.5	5.2	2.4	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP	500	152.4	16.5	7.5	(solid)			94% Shield							10	.9	3.0
		CEC:	1000	304.8	33.0	15.0	.025″			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M′							100	2.7	8.9
							41.2Ω/M′			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
▲100 ft. put-up available in Black only.																	1000	8.7	28.5
Suitable for Outdoor and Direct Burial applications.																			
Plenum • Semi-solid FEP Teflon Insulation • Gray Fluorocopolymer Jacket																			
150°C	**87269**	NEC:	1000	304.8	34.0	15.4	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP					(solid)			94% Shield							10	.9	3.0
		CEC:					.025″			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M′							100	2.7	8.9
							41.2Ω/M′			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
Suitable for Outdoor and Direct Burial applications.																	1000	8.7	28.5
Plenum • Semi-solid FEP Teflon Insulation • Natural Flamarrest® Low-smoke Jacket																			
75°C	**82269**	NEC:	1000	304.8	30.0	13.6	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP					(solid)			94% Shield							10	.9	3.0
		CEC:					.025″			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M′							100	2.7	8.9
							41.2Ω/M′			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
																	1000	8.7	28.5
Plenum • Foam FEP Teflon Insulation • White Tint FEP Jacket																			
200°C	**86262**	NEC:	500	152.4	16.0	7.3	22 AWG	.146	3.71	BC Braid	.204	5.18	93	85%	12.5	41.0	1	.3	1.8
		CMP	1000	304.8	32.0	14.5	(solid)			94% Shield							10	.9	3.0
		CEC:					.025″			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M′							100	2.7	8.9
							41.2Ω/M′			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
Suitable for Outdoor and Direct Burial applications.																	1000	8.7	28.5
Plenum • Foam FEP Teflon Insulation • Natural Flamarrest Jacket																			
75°C	**82262**	NEC:	U-1000	U-304.8	31.0	14.1	22 AWG	.146	3.71	BC Braid	.204	5.18	93	85%	12.5	41.0	1	.3	1.8
		CMP	1000	304.8	30.0	13.6	(solid)			94% Shield							10	.9	3.0
		CEC:					.025″			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M′							100	2.7	8.9
							41.2Ω/M′			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
																	1000	8.7	28.5

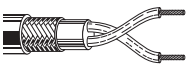
BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

Teflon is a DuPont trademark.

Computer and Instrumentation Cable

78 Ohm, 95 Ohm and 100 Ohm Twinax

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
78 Ohm • 20 AWG Stranded (7x28) .038″ Tinned Copper Conductors • Tinned Copper Braid Shield (93% Coverage)																			
Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)																			
UL AWM Style 2092 (300V 60°C)	**9272**	NEC:	100	30.5	4.5	2.0	20 AWG (7x28) .038″ TC 9.5Ω/M′ 31.2Ω/km	.156	3.96	TC Braid 93% Shield Coverage 3.4Ω/M′ 11.2Ω/km	.244	6.20	78	66%	19.7	64.6	1	.6	2.0
		CM	U-500	152.4	20.0	9.1											10	2.1	6.9
		CEC:	500	152.4	18.5	8.4											50	5.0	16.4
		CM	U-1000	U-304.8	39.0	17.7											100	7.5	24.6
			1000	304.8	41.0	18.6											200	11.0	36.1
																	400	16.0	52.5
																			
												For Plenum version of 9272, see 89272.							
												CPE jacket optional.							
Plenum • FEP Teflon® Insulation • Blue FEP Teflon Jacket (Color Code: Clear, Blue)																			
200°C	**89272**	NEC:	500	152.4	17.0	7.7	20 AWG (7x28) .038″ TC 9.5Ω/M′ 31.2Ω/km	.148	3.76	TC Braid 93% Shield Coverage 3.9Ω/M′ 12.8v/km	.198	5.03	78	69.5%	18.4	60.4	1	.6	2.0
		CMP	1000	304.8	38.0	17.3											10	2.1	6.9
		CEC:															50	5.0	16.4
		CMP FT6															100	7.5	24.6
																	200	11.0	36.1
																	400	16.0	52.5
Suitable for Aerial applications when supported by a messenger.																			
78 Ohm • 20 AWG Stranded (7x28) .038″ Tinned Copper Conductors • Beldfoil® (100% Coverage) + TC Braid Shield (55% Coverage)																			
Polyethylene Insulation • Blue Sunlight-resistant PVC Jacket (Color Code: Clear, Blue)																			
UL AWM Style 2464 (300V 80°C)	**9463**	NEC:	100	30.5	4.4	2.0	20 AWG (7x28) .038″ TC 9.5Ω/M′ 31.0Ω/km	.154	3.91	Beldfoil + 55% TC Braid 4.1Ω/M′ 13.4Ω/km	.238	6.05	78	66%	19.7	64.6	1	.6	2.0
		CM CL2	U-500	U-152.4	19.5	8.9											10	2.1	6.9
		CEC:	500	152.4	18.0	8.2											50	3.6	11.8
		CM	U-1000	U-304.8	38.0	17.2											100	7.5	24.6
			1000▲	304.8	39.0	17.7											200	11.0	36.1
			6000▲†	1828.7	234.0	106.1											400	16.0	52.5
			10000▲†	3048.0	380.0	172.4													
												CPE jacket optional.							
PMSHA P-7K-SC-182141* Allen Bradley P/N 1770-CD ▲1000 ft. and 6000 ft. put-ups also available in Brown, Orange and Purple. 10,000 ft. available in Brown or Orange only.																			
RG-22B/U • 95 Ohm • 18 AWG Stranded (7x26) .046″ Bare Copper Conductors** • Double Tinned Copper Braid Shield (95% Coverage)																			
Polyethylene Insulation • PE Inner Jacket • Black Non-contaminating PVC Outer Jacket (Color Code: Clear, Clear)																			
80°C VW-1	**9250**	—	500	152.4	61.5	27.9	18 AWG (7x26) .046″ BC 6.6Ω/M′ 21.5Ω/km	.285	7.24	(2) TC Braids 95% Shield Coverage .9Ω/M′ 3.0Ω/km	.416	10.67	95	66%	16.0	52.5	1	.3	1.0
			1000	304.8	121.0	54.9											10	.9	3.0
																	20	1.3	4.3
																	50	2.1	6.9
																	100	3.0	9.8
																	400	6.3	20.7
												CPE jacket optional.							
RG-22B/U Type **1 conductor has tinned center strand. Non-contaminating PVC jacket.																			
100 Ohm • 20 AWG Stranded (7x28) .037″ One Tinned/One Bare Copper Conductors • Duofoil® + Double TC Braid Shield (95% Coverage)																			
Polyethylene Insulation • Black High-density Polyethylene Jacket																			
Direct Burial 80°C	**9815**	—	500	152.4	34.5	15.7	20 AWG (7x28) .037″ (1) TC, (1) BC 9.5Ω/M′ 31.0Ω/km	.236	5.99	TC Braid 95% Shield Coverage 2.0Ω/M′ 6.6Ω/km	.330	8.38	100	66%	14.5	47.6	1	.4	1.3
			1000	304.8	69.0	31.4											10	1.1	3.6
			2000	609.6	134.0	60.9											50	2.5	8.2
																	100	4.1	13.5
																	200	6.4	21.0
																	400	10.2	33.5

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • PE = Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.
†Final put-up may vary from length shown. ±10% for spools or reels, ±5% for UnReel® cartons.

Teflon is a DuPont trademark.

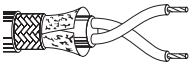
Computer and Instrumentation Cable

100 Ohm, 124 Ohm and 150 Ohm Twinax

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

100 Ohm • 20 AWG Stranded (7x28) .037″ One TC/One BC Conductor • Duofoil® (100% Coverage) + TC Braid Shield (86% Coverage)

Polyethylene Insulation • Polyethylene Inner Jacket • Black PVC Outer Jacket

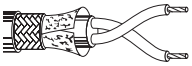
75°C	**9207**	NEC:	100	30.5	7.1	3.2	20 AWG	.236	5.99	Duofoil	.330	8.38	100	66%	14.5	47.6	1	.3	1.0
		CM CL2	U-500	U-152.4	33.0	15.0	(7x28)			+86%							10	1.2	3.9
		CEC:	500	152.4	34.5	15.7	.037″			TC Braid							50	2.8	9.2
		CMG FT4	1000	304.8	68.0	30.9	(1) TC,			1.7Ω/M′							100	4.1	13.5
			1640	500.0	111.5	50.7	(1) BC			5.7Ω/km							200	6.4	21.0
			2000	609.6	136.0	61.8	9.5Ω/M′										400	10.2	33.5
			3280	1000.0	219.8	99.9	31.0Ω/km												
IBM P/N 7362211			5000	1524.0	350.0	159.1													

For Plenum versions see 89207.

CPE jacket optional.

100 Ohm • 20 AWG Stranded (7x28) .037″ One TC/One BC Conductor • Duofoil (100% Coverage) + TC Braid Shield (85% Coverage)

Plenum • FEP Insulation • Black FEP Jacket

200°C	**89207**	NEC:	100	30.5	6.7	3.0	20 AWG	.201	5.11	Duofoil	.259	6.58	100	69.5%	14.0	46.0	1	.3	1.0
		CMP	500	152.4	26.0	11.8	(7x28)			+85%							10	1.2	3.9
		CEC:	1000	304.8	55.0	25.0	.037″			TC Braid							50	2.8	9.2
		CMP FT6					(1) TC, (1) BC			2.5Ω/M′							100	4.1	13.5
							9.5Ω/M′			8.2Ω/km							200	6.4	21.0
							31.2Ω/km										300	8.4	27.6
																	400	10.2	33.5

124 Ohm • 25 AWG Stranded (7x33) .021″ Tinned Copper Conductors • Beldfoil® Shield (100% Coverage) • Stranded TC Drain Wire

Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)

UL AWM	**9271**	NEC:	100	30.5	3.2	1.5	25 AWG	.170	4.32	Beldfoil	.240	6.10	124	66%	12.2	40.0	1	.6	2.0
Style 2092		CM	500	152.4	12.5	5.7	(7x33)			12.0Ω/M′							10	1.7	5.6
(300V 60°C)		CEC:	U-1000	U-304.8	27.0	12.3	.021″			39.4Ω/km							50	3.6	11.8
		CM	1000	304.8	28.0	12.7	TC										100	5.0	16.4
							31.8Ω/M′										200	6.9	22.6
Shorting Fold							104.3Ω/km										400	9.6	31.5

CPE jacket optional.

124 Ohm • 16 AWG Solid .051″ Bare Copper Conductors • Duofoil (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket (Color Code: Clear, Blue)

UL AWM	**9860**	NEC:	500	152.4	52.0	23.6	16 AWG	.322	8.18	Duofoil	.440	11.18	124	78%	10.9	35.8	1	.2	.6
Style 2448		CMX	1000	304.8	103.0	46.8	(solid)			+ 90%							10	.7	2.3
(30V 60°C)		CEC:	2000	609.6	202.0	91.8	.051″			TC Braid							50	1.8	5.9
VW-1		CMX					BC			1.3Ω/M′							100	2.9	9.5
							4.2Ω/M′			4.3Ω/km							200	4.1	13.5
							13.8Ω/km										400	6.2	20.3

CPE jacket optional.

150 Ohm • 22 AWG Stranded (19x34) .031″ Tinned Copper Conductors • Duofoil Shield (100% Coverage) • Stranded TC Drain Wire

Datalene® Insulation • Black PVC Jacket (Color Code: Black, Yellow)

UL AWM	**9182**	NEC:	U-500	U-152.4	21.5	9.8	22 AWG	.275	6.98	Duofoil	.345	8.76	150	78%	8.8	28.9	1	.4	1.3
Style 2668		CMX	500	152.4	23.0	10.4	(19x34)			6.3Ω/M′							10	1.2	3.9
(30V 60°C)		CL2X	1000	304.8	44.0	20.0	.031″			20.7Ω/km							50	2.7	8.7
VW-1		CEC:					TC										100	4.3	14.1
		CMX					14.0Ω/M′										200	6.2	20.3
							45.9Ω/km										400	8.8	28.9
Shorting Fold																			

For Plenum version of 9182, see 89182.

Dual version: YR41609.

CPE jacket optional.

Plenum • Foam FEP Teflon Insulation • Black FEP Teflon Jacket (Color Code: Black, Yellow)

	89182	NEC:	100	30.5	6.4	2.9	22 AWG	.278	7.06	Duofoil	.307	7.80	150	78%	8.8	28.9	1	.4	1.3
		CMP	500	152.4	28.0	12.7	(19x34)			6.3Ω/M′							10	1.2	3.9
		CL2P	1000	304.8	53.0	24.1	.031″			20.7Ω/km							50	2.7	8.7
		CEC:					TC										100	4.3	14.1
		CMP FT6					14.0Ω/M′										200	6.2	20.3
							45.9Ω/km										400	8.8	28.9

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

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Teflon is a DuPont trademark.

DataTwist® 600e UTP Cable

TIA/EIA-568-B.2-1, Category 6
Enhanced Category 6 Bonded-Pair Cables

Certified System Cable

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
23 AWG Bonded-Pairs Solid Bare Copper Conductors • Patented E-Spline Center Member • Rip Cord • See Color Code Chart (below)																			
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Black, White or Gray)																			
	7851A	NEC: CMR CEC: CMR	4	1000 A-1000	304.8 A-304.8	38.0 47.0	17.2 21.3	.227 x .315	5.77 x 8.00	8.2	3.0	65.6	1 10 31.25 62.5 100 155 200 250 350 400 500 550 600	1.9 5.7 10.2 14.7 18.9 23.9 27.5 31.2 37.7 40.6 46.2 48.8 51.4	80.3 65.3 57.9 53.4 50.3 47.5 45.8 44.3 40.2 39.3 37.8 37.2 36.6	78.5 59.6 47.7 38.7 31.4 23.5 18.3 13.2 4.5 0.6 >0* — —	70.8 50.8 40.9 34.9 30.8 27.0 24.8 22.8 19.9 18.8 16.8 16.0 15.2	100±12 100±12 100±15 100±15 100±15 100±15 100±15 100±20 100±22 100±22 100±22 100±22 100±22	20.0 25.0 25.0 25.0 25.0 22.8 21.7 20.5 19.8 19.5 18.4 18.0 17.6
Non-Plenum • Polyolefin Insulation • Gray Haloarrest® Jacket																			
	7851NH		4	1000 A-1000	304.8 A-304.8	39.0 48.0	17.7 21.8	.241 x .329	6.12 x 8.36	8.2	3.0	65.6	1 10 31.25 62.5 100 155 200 250 350 400 500 550 600	1.9 5.7 10.2 14.7 18.9 23.9 27.5 31.2 37.7 40.6 46.2 48.8 51.4	80.3 65.3 57.9 53.4 50.3 47.5 45.8 44.3 40.2 39.3 37.8 37.2 36.6	78.5 59.6 47.7 38.7 31.4 23.5 18.3 13.2 4.5 0.6 >0* — —	70.8 50.8 40.9 34.9 30.8 27.0 24.8 22.8 19.9 18.8 16.8 16.0 15.2	100±12 100±12 100±15 100±15 100±15 100±15 100±15 100±20 100±22 100±22 100±22 100±22 100±22	20.0 25.0 25.0 25.0 25.0 22.8 21.7 20.5 19.8 19.5 18.4 18.0 17.6
Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Black, White or Gray)																			
	7852A	NEC: CMP CEC: CMP	4	1000 A-1000 †	304.8 A-304.8	40.0 49.0	18.1 22.2	.218 x .290	5.54 x 7.37	8.2	3.0	65.6	1 10 31.25 62.5 100 155 200 250 350 400 500 550 600	1.9 5.7 10.2 14.7 18.9 23.9 27.5 31.2 37.7 40.6 46.2 48.8 51.4	80.3 65.3 57.9 53.4 50.3 47.5 45.8 44.3 40.2 39.3 37.8 37.2 36.6	78.5 59.6 47.7 38.7 31.4 23.5 18.3 13.2 4.5 0.6 >0* — —	70.8 50.8 40.9 34.9 30.8 27.0 24.8 22.8 19.9 18.8 16.8 16.0 15.2	100±12 100±12 100±15 100±15 100±15 100±15 100±15 100±20 100±22 100±22 100±22 100±22 100±22	20.0 25.0 25.0 25.0 25.0 22.8 21.7 20.5 19.8 19.5 18.4 18.0 17.6

Rip Cord

Third party verified to TIA/EIA-568-B.2-1, Category 6
U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1
Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking.

Rip Cord

Third party verified to TIA/EIA-568-B.2-1, Category 6
U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1
Jacket sequentially marked at 1 meter intervals. Features Descending Length Marking.

Rip Cord

† A-1000 ft. put-up not available in Red.

Third party verified to TIA/EIA-568-B.2-1, Category 6
U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1
Jacket sequentially marked at 2 ft. intervals. Features descending Length marking.

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

*PSUM ACR >0 is guaranteed to 460 MHz

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Color Codes: DataTwist 600e

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Teflon is a DuPont trademark.

DataTwist 600e: Beyond Category 6

Belden® DataTwist 600e data cable is a revolutionary UTP cable engineered specifically to perform well beyond Category 6 standards. While Category 6 cable is specified only to 250 MHz, DataTwist 600e is the only Cat 6 UTP cable in the industry fully characterized with guaranteed performance to 600 MHz. So users have far more headroom to compensate for unforeseen factors that can inhibit the performance of a cabling system today…and protection of their technology investment for the future.

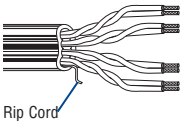
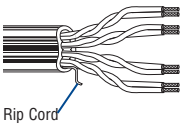
Handy Cable Preparation Tool Speeds Installation Of Bonded-Pair Cables

You know the high performance benefits of using data cables featuring Belden's unique Bonded-Pair technology. The Belden Cable Preparation Tool (1797B) now makes it faster and easier than ever to prepare cables for connector termination providing special features that help separate twisted pairs. The Cable Preparation Tool is packed with every spool of DataTwist 600e. See page 15.40 for more information.

MediaTwist® UTP Cable

TIA/EIA-568-B.2-1, Category 6
Enhanced Category 6 Bonded-Pair Cables

Certified System Cable

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
23 AWG Bonded-Pairs Solid Bare Copper Conductor • Rip Cord • See Color Code Chart (below)																			
Non-Plenum • Polyolefin Insulation • PVC Jacket (Blue, Red, Yellow, Orange, Green, Gold, Purple, White, Black or Gray)																			
 Rip Cord	**1872A**	NEC: CMR CEC: CMR	4	1000 A-1000 *	304.8 A-304.8	37.0	16.8	.365 x .165	9.27 x 4.19	9.0	3.0	49.2	1	1.9	72.3	70	64.8	100±12	20.0
													4	3.7	63.3	59	52.8	100±12	23.0
													8	5.3	58.8	53	46.7	100±12	24.5
													10	5.9	57.3	51	44.8	100±12	25.0
													16	7.5	54.3	46	40.7	100±12	25.0
													25	9.5	51.4	42	36.8	100±15	24.3
													31.25	10.6	49.9	39	34.9	100±15	23.6
													62.5	15.4	45.4	30	28.9	100±15	21.5
													100	19.8	42.3	25	24.8	100±15	21.0
													155	25.1	39.5	14	20.9	100±15	21.0
													200	29.0	37.8	10	18.8	100±15	21.0
*A-1000 ft. put-up not available in Black.													250	32.8	36.3	3	16.8	100±20	18.0
Features Descending Length Marking.													300	35.2	35.2	>0	15.2	100±20	18.0
Jacket sequentially marked at 2 ft. intervals.													350	39.8	34.2	—	13.9	100±22	17.0
U.S. Patents 5,606,151; 5,734,126; 5,821,467													400◗	43.0	—	—	—	100±32	14.0
Third party verified to TIA/EIA-568-B.2-1, Category 6													500◗	49.0	—	—	—	100±32	14.0
Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Blue, Natural, Gray, Red, Yellow, Orange, Green, Gold, Purple, White or Black)																			
 Rip Cord	**1874A**	NEC: CMP CEC: CMP	4	1000 A-1000 **	304.8 A-304.8	37.0	16.8	.365 x .165	9.27 x 4.19	9.0	3.0	49.2	1	1.9	72.3	70	64.8	100±12	20.0
													4	3.7	63.3	59	52.8	100±12	23.0
													8	5.3	58.8	53	46.7	100±12	24.5
													10	5.9	57.3	51	44.8	100±12	25.0
													16	7.5	54.3	46	40.7	100±12	25.0
													25	9.5	51.4	42	36.8	100±15	24.3
													31.25	10.6	49.9	39	34.9	100±15	23.6
													62.5	15.4	45.4	30	28.9	100±15	21.5
													100	19.8	42.3	25	24.8	100±15	21.0
													155	25.1	39.5	14	20.9	100±15	21.0
													200	29.0	37.8	10	18.8	100±15	21.0
**A-1000 ft. put-up not available in Black.													250	32.8	36.3	3	16.8	100±20	18.0
Features Descending Length Marking.													300	35.2	35.2	>0	15.2	100±20	18.0
Jacket sequentially marked at 2 ft. intervals.													350	39.8	34.2	—	13.9	100±22	17.0
U.S. Patents 5,606,151; 5,734,126; 5,821,467													400◗	43.0	—	—	—	100±32	14.0
Third party verified to TIA/EIA-568-B.2-1, Category 6													500◗	49.0	—	—	—	100±32	14.0

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

◗Values provided for information only.

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Color Codes: MediaTwist

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Get the Bonded-Pairs Cable Preparation Tool
See page 15.40 for details.
(Part No. 1797B)

Teflon is a DuPont trademark.

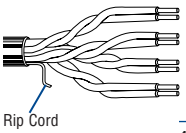
DataTwist® 350 UTP Cable

TIA/EIA-568-B.2, Category 5e
Enhanced Category 5e Bonded-Pair Cables

Certified System Cable

24 AWG Bonded-Pairs Solid Bare Copper Conductors • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket (Red, Orange, White, Black, Yellow, Green, Blue, Purple, Light Gray or Gray)

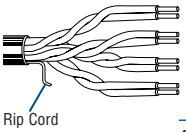


Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)
	1700A	NEC:	4	U-1000	U-304.8	22.0	10.0	.200	5.08	9.0	3.0	66.0
		CM		1000 †	304.8	22.0	10.0					
		CEC:		1640 †	500.0	36.1	16.4					
		CM		3000 †	914.4	63.0	28.6					
				3280 †	1000.0	72.2	32.8					
	1702A*	NEC:	2x4	1000 *	304.8	45.0	20.4	.200	5.08			
		CM		1640 *	500.0	73.8	33.5	x	x			
		CEC:						.415	10.54			
		CM										
	1700R	NEC:	4	U-1000 ††	U-304.8	22.0	10.0	.204	5.18			
		CMR		1000 ††	304.8	22.0	10.0					
		CEC:		3000 ††	914.4	63.0	28.6					
		CMR										

Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
1	2.0	65.3	63.3	60.8	100±12	20.0
4	4.0	56.3	52.3	48.8	100±12	23.0
8	5.7	51.8	46.1	42.7	100±12	24.5
10	6.4	50.3	43.9	40.8	100±12	25.0
16	8.1	47.3	39.1	36.7	100±12	25.0
25	10.3	44.3	34.1	32.8	100±15	24.3
31.25	11.6	42.9	31.3	30.9	100±15	23.6
62.5	16.8	38.4	21.6	24.9	100±15	21.5
100	21.7	35.3	17.1	20.8	100±15	20.1
155	27.7	32.5	4.7	16.9	100±18	19.0
200	32.0	30.8	3.0	14.7	100±18	19.0
250	36.4	29.3	—	12.8	100±20	18.0
350	44.3	27.2	—	9.9	100±22	17.0

*1702A is Siamese version of 1700A and is available in Blue or Light Gray only.
†1000 ft. put-up not available in Gray. 3000 ft. put-up available in Red, Blue, White or Lt. Gray only. 1640 ft. available in Lt. Gray or Blue only. 3280 ft. available in Lt. Gray only.
††1700R is not available in Black nor Medium Gray. 3000 ft. put-up available in Red, Blue, Purple, White or Light Gray only.
Third party verified to TIA/EIA-568-B.2, Category 5e
Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Gray, Yellow, Green, Blue, Purple, Natural or Black)

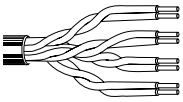


Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)
	1701A	NEC:	4	U-1000	U-304.8	23.0	10.5	.195	4.95	9.0	3.0	66.0
		CMP		1000	304.8	24.0	10.9					
		CEC:		3000 †	914.4	69.0	31.3					
		CMP										
	1703A**	NEC:	2x4	1000 ††	304.8	46.0	20.9	.195	4.95			
		CMP						x	x			
		CEC:						.405	10.29			
		CMP										

Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
1	2.0	65.3	63.3	60.8	100±12	20.0
4	4.0	56.3	52.3	48.8	100±12	23.0
8	5.7	51.8	46.1	42.7	100±12	24.5
10	6.4	50.3	43.9	40.8	100±12	25.0
16	8.1	47.3	39.1	36.7	100±12	25.0
25	10.3	44.3	34.1	32.8	100±15	24.3
31.25	11.6	42.9	31.3	30.9	100±15	23.6
62.5	16.8	38.4	21.6	24.9	100±15	21.5
100	21.7	35.3	17.1	20.8	100±15	20.1
155	27.7	32.5	4.7	16.9	100±18	19.0
200	32.0	30.8	3.0	14.7	100±20	19.0
250	36.4	29.3	—	12.8	100±20	18.0
350	44.3	27.2	—	9.9	100±22	17.0

**1703A is Siamese version of 1701A.
†3000 ft. put-up available in Blue or Natural only.
††1000 ft. put-up available in Blue or Natural only.
Third party verified to TIA/EIA-568-B.2, Category 5e
Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

Plenum • FEP Teflon Insulation • FEP Jacket (Available in Blue or White)



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)
	1701LC	NEC:	4	U-1000	U-304.8	23.0	10.5	.187	4.75	9.0	3.0	66.0
		Limited Combustible FHC 25/50 CMP		1000	304.8	24.0	10.9					
		CEC:										
		CMP										

Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
1	2.0	65.3	63.3	60.8	100±12	20.0
4	4.0	56.3	52.3	48.8	100±12	23.0
8	5.7	51.8	46.1	42.7	100±12	24.5
10	6.4	50.3	43.9	40.8	100±12	25.0
16	8.1	47.3	39.1	36.7	100±12	25.0
25	10.3	44.3	34.1	32.8	100±15	24.3
31.25	11.6	42.9	31.3	30.9	100±15	23.6
62.5	16.8	38.4	21.6	24.9	100±15	21.5
100	21.7	35.3	17.1	20.8	100±15	20.1
155	27.7	32.5	4.7	16.9	100±18	19.0
200	32.0	30.8	3.0	14.7	100±20	19.0
250	36.4	29.3	—	12.8	100±20	18.0
350	44.3	27.2	—	9.9	100±22	17.0

1701LC does not have a rip cord.
Third party verified to TIA/EIA-568-B.2, Category 5e
Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: DataTwist 350

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

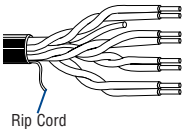
Get the Bonded-Pairs Cable Preparation Tool
See page 15.40 for details.
(Part No. 1797B)

Teflon is a DuPont trademark.

DataTwist 6 Limited Combustible UTP Cable

TIA/EIA 568-B.2-1, Category 6
Enhanced Category 6 Bonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										
23 AWG Bonded-Pairs • Solid Bare Copper Conductors • Twisted Pairs • Central Rod Filler • Rip Cord • See Color Code Chart (below)																			
Plenum • FEP Teflon® Insulation • FEP Jacket (Available in Light Blue or White)																			
	7813LC	NEC: Limited Combustible FHC 25/50 CMP CEC: CMP	4	1000 U-1000	304.8 U-304.8	35.0	15.89	.214	5.44	8.2	5.0	330	1	2.0	72.3	70.3	64.8	100±15	20.0
													4	3.8	63.3	59.5	52.8	100±15	23.0
													8	5.3	58.8	53.4	46.7	100±15	24.5
													10	6.0	57.3	51.3	44.8	100±15	25.0
													16	7.6	54.3	46.7	40.7	100±15	25.0
													20	8.5	52.8	44.3	38.8	100±15	25.0
													25	9.5	51.3	41.8	36.8	100±15	24.3
													31.25	10.7	49.9	39.2	34.9	100±15	23.6
													62.5	15.4	45.4	30.0	28.9	100±15	21.5
													100	19.8	42.3	22.5	24.8	100±15	20.1
													155	25.2	39.5	14.3	20.9	100±22	18.8
													200	29.0	37.8	8.8	18.8	100±22	18.0
													250	32.8	36.3	3.5	16.8	100±32	17.3



Jacket sequentially marked at 2 ft. intervals.
Features Descending Length Marking.
Third party verified to TIA/EIA 568-B.2-1, Category 6
U.S. Patents 5,606,151 and 5,734,126

ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene Propylene • NEXT = Near-end Crosstalk • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Teflon is a DuPont trademark.

Color Codes: DataTwist 6 LC

Pair No.	Color Combination
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

DataTwist® 5e UTP Cable

TIA/EIA-568-B.2, Category 5e Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																			
Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Natural or Blue)																			
	1590A	NEC: CMP CEC: CMP FT6	2	1000	304.8	16.0	7.3	.175	4.44	9.38	5.0	330	1 10 16 31.25 62.5 100 200	2.0 6.5 8.2 11.7 17.0 22.0 32,0	62.3 47.3 44.3 39.9 35.4 32.3 27,8	60.3 49.2 40,8 36.0 28.2 19.0 10,3 1.0	60.8 40.8 36.7 30.9 24.8 20.8 14,7	100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 25.0 25.0 23.6 21.5 20.1 15,0
Rip Cord																			
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e																			
Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Red, Orange, Yellow, Green, Gray, White, Black, Pink, Natural or Blue)																			
	1585A	NEC: CMP CEC: CMP FT6	4	U-1000 1000 3000 †	U-304.8 304.8 914.6	23.0 24.0 69.0	10.5 10.9 31.4	.198	5.03	9.38	3.0	330	1 4 10 16 31.25 62.5 100 200	2.0 4.1 6.5 8.2 11.7 17.0 22.0 32.0	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	60.3 49.2 40,8 36.0 28.2 19.0 10,3 1.0	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0
Rip Cord																			
†3000 ft. put-up available in Natural or Blue only. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e																			
Plenum • FEP Teflon Insulation • Fluorescent Pink Flamarrest Jacket																			
DataBrite®	**1585B**	NEC: CMP CEC: CMP FT6	4	1000	304.8	24.0	10.9	.197	5.00	9.38	3.0	330	1 4 10 16 31.25 62.5 100 200	2.0 4.1 6.5 8.2 11.7 17.0 22.0 32.0	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	60.3 49.2 40,8 36.0 28.2 19.0 10,3 1.0	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0
Rip Cord																			
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e																			
Plenum • FEP Teflon Insulation • FEP Jacket (Available in Blue or White)																			
	1585LC	NEC: Limited Combustible FHC 25/50 CMP CEC: CMP FT6	4	U-1000 1000	U-304.8 304.8	23.0 23.0	10.5 10.5	.195	4.95	9.38	3.0	330	1 4 10 16 31.25 62.5 100 200	2.0 4.1 6.5 8.2 11.7 17.0 22.0 32.0	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	60.3 49.2 40,8 36.0 28.2 19.0 10,3 1.0	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0
Jacket sequentially marked at 2 ft. intervals. No rip cord. Third party verified to TIA/EIA-568-B.2, Category 5e																			
Patch Cable • 24 AWG Stranded (7x32) Bare Copper Conductors • Twisted Pairs • RJ-45 Compatible* • See Color Code Chart (below)																			
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple, Light Gray, White or Black)																			
Patch Cable	**1592A**	NEC: CM CEC: CM FT1	4	U-1000 1000	U-304.8 304.8	22.0 23.0	10.0 10.5	.213	5.41	9.38	3.0	330	1 4 10 16 31.25 62.5 100 200	2.5 4.9 7.8 9.9 14.1 20.4 26.4 38.9	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	— — — — — — — —	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±25	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0
*RJ-45 compatible for either T568-A or T568-B configurations. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e Patch																			

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene Propylene • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

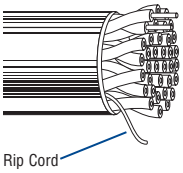
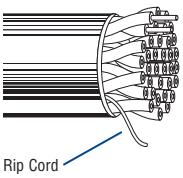
Color Codes: DataTwist 5e

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Teflon is a DuPont trademark.

DataTwist® 5 UTP Cable

TIA/EIA-568-A, Category 5 Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Fitted Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)																	
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Light Gray or Blue)																	
 Rip Cord	**1864A**	NEC: CMR CEC: CMR FT4	25	1000	304.8	144.0	65.4	.526	13.36	9.38	5.0	330	1 10 16 31.25 62.5 100	2.0 6.5 8.2 11.7 17.0 22.0	62.3 47.3 44.3 39.9 35.4 32.3	100±15 100±15 100±15 100±15 100±15 100±15	23.0 23.0 23.0 21.1 18.0 16.0
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-A, Category 5																	
Plenum • FEP Teflon® Insulation • FEP Jacket (Available in Blue Tint or White Tint)																	
 Rip Cord	**1871A**	NEC: CMP CEC: CMP	25	1000	304.8	131.0	59.5	.430	10.92	9.38	5.0	330	1 10 16 31.25 62.5 100	2.0 6.5 8.2 11.7 17.0 22.0	62.3 47.3 44.3 39.9 35.4 32.3	100±15 100±15 100±15 100±15 100±15 100±15	23.0 23.0 23.0 21.1 18.0 16.0
Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-A, Category 5																	

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • SRL = Structural Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: 1864A

Pair	Color Combination
1	White & Blue
2	White & Orange
3	White & Green
4	White & Brown
5	White & Gray
6	Red & Blue
7	Red & Orange
8	Red & Green
9	Red & Brown
10	Red & Gray
11	Black & Blue
12	Black & Orange
13	Black & Green

Pair	Color Combination
14	Black & Brown
15	Black & Gray
16	Yellow & Blue
17	Yellow & Orange
18	Yellow & Green
19	Yellow & Brown
20	Yellow & Gray
21	Purple & Blue
22	Purple & Orange
23	Purple & Green
24	Purple & Brown
25	Purple & Gray

Color Codes: 1871A

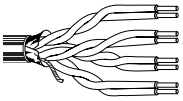
Pair	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown
5	White/Gray Stripe & Gray
6	Red/Blue Stripe & Blue
7	Red/Orange Stripe & Orange
8	Red/Green Stripe & Green
9	Red/Brown Stripe & Brown
10	Red/Gray Stripe & Gray
11	Black/Blue Stripe & Blue
12	Black/Orange Stripe & Orange
13	Black/Green Stripe & Green

Pair	Color Combination
14	Black/Brown Stripe & Brown
15	Black/Gray Stripe & Gray
16	Yellow/Blue Stripe & Blue
17	Yellow/Orange Stripe & Orange
18	Yellow/Green Stripe & Green
19	Yellow/Brown Stripe & Brown
20	Yellow/Gray Stripe & Gray
21	Purple/Blue Stripe & Blue
22	Purple/Orange Stripe & Orange
23	Purple/Green Stripe & Green
24	Purple/Brown Stripe & Brown
25	Purple/Gray Stripe & Gray

Teflon is a DuPont trademark.

DataTwist® 5e ScTP Cable

TIA/EIA-568-B.2, Category 5e Nonbonded-Pair Cables

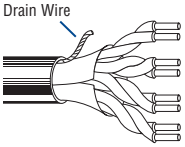
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire* • RJ-45 Compatible • See Color Code Chart (below)																			
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Gray or Black)																			
	**1533R**	NEC: CMR CEC: CMR	4	1000 A-1000 1640†	304.8 A-304.8 500.0	34.0 37.0 57.4	15.5 16.8 26.1	.260	6.60	9.38	3.0	330	1 4 8 10 16 20 25 31.25 62.5 100	2.0 4.1 5.8 6.5 8.2 9.3 10.4 11.7 17.0 22.0	62.3 53.3 48.8 47.3 44.3 42.8 41.3 39.9 35.4 32.3	60 49 43 41 36 34 31 28 18 10	60.8 48.7 42.7 40.8 36.7 34.7 32.8 30.9 24.8 20.8	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	20.0 23.0 24.5 25.0 25.0 25.0 24.3 23.6 21.5 20.1

†1640 ft. put-up available in Gray only.
Shield is bonded to jacket inner wall for electrical stability.
Jacket sequentially marked at 2 ft. intervals. • Third party verified to TIA/EIA-568-B.2, Category 5e

Non-Plenum • Polypropylene Insulation (Color Code: See Chart Below) **• Black Low-Smoke, Zero-Halogen Jacket**

300V RMS

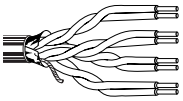
Drain Wire



1300SB new	NEC: CMG-LS CEC: CMG-LS FT4 Limited Smoke	4	1000	304.8	35.0	15.9	.260	6.60	9.3	3.0	330	1 4 8 10 16 20 25 31.25 62.5 100	2.0 4.1 5.8 6.5 8.2 9.3 10.4 11.7 17.0 22.0	62.3 53.3 48.8 47.3 44.3 42.8 41.3 39.9 35.4 32.3	60 49 43 41 36 34 31 28 18 10	60.8 48.7 42.7 40.8 36.7 34.7 32.8 30.9 24.8 20.8	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	20.0 23.0 24.5 25.0 25.0 25.0 24.3 23.6 21.5 20.1

LSZH and ABS Type Approved
Jacket sequentially marked at 2 ft. intervals.

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Gray, Black or Natural)



1533P	NEC: CMP CEC: CMP	4	1000 A-1000	304.8 A-304.8	35.0 38.0	15.9 17.2	.235	6.00	9.38	3.0	330	1 4 8 10 16 20 25 31.25 62.5 100	2.0 4.1 5.8 6.5 8.2 9.3 10.4 11.7 17.0 22.0	62.3 53.3 48.8 47.3 44.3 42.8 41.3 39.9 35.4 32.3	60 49 43 41 36 34 31 28 18 10	60.8 48.7 42.7 40.8 36.7 34.7 32.8 30.9 24.8 20.8	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	20.0 23.0 24.5 25.0 25.0 25.0 24.3 23.6 21.5 20.1

Shield is bonded to jacket inner wall for electrical stability.
Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-B.2, Category 5e

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss
ScTP = Screened (Overall Foil) Twisted Pair(s)

*Drain wire is 24 AWG stranded tinned copper.

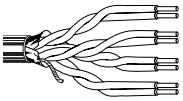
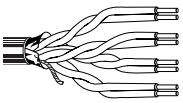
Color Codes: DataTwist 5e ScTP

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Teflon is a DuPont trademark.

DataTwist® 5 ScTP Cable

TIA/EIA-568-A, Category 5 Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire* • RJ-45 Compatible • See Color Code Chart (below)																	
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple or Light Gray)																	
	**1624R**	NEC: CMR CEC: CMR	4	1000 A-1000 1640†	304.8 A-304.8 500.0	33.0 36.0 54.1	15.0 16.3 24.7	.260	6.60	9.38	3.0	300	1 4 8 10 16 20 25 31.25 65.5 100	2.0 4.1 5.8 6.5 8.2 9.3 10.4 11.7 17.0 22.0	62.3 53.3 48.8 47.3 44.3 42.8 41.3 39.9 35.4 32.3	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	23.0 23.0 23.0 23.0 23.0 23.0 22.0 21.1 18.0 16.0
†1640 ft. put-up available in Gray only. Shield is bonded to jacket inner wall for electrical stability. Jacket sequentially marked at 2 ft. intervals. • Third party verified to TIA/EIA-568-A, Category 5																	
Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural)																	
	**1624P**	NEC: CMP CEC: CMP	4	1000 A-1000††	304.8 A-304.8	32.0 35.0	14.5 15.9	.230	5.84	9.38	3.0	300	1 4 8 10 16 20 25 31.25 65.5 100	2.0 4.1 5.8 6.5 8.2 9.3 10.4 11.7 17.0 22.0	62.3 53.3 48.8 47.3 44.3 42.8 41.3 39.9 35.4 32.3	100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15 100±15	23.0 23.0 23.0 23.0 23.0 23.0 22.0 21.1 18.0 16.0
††A-1000 ft. put-up available in Yellow, Blue, Gray or Natural only. Shield is bonded to jacket inner wall for electrical stability. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-A, Category 5																	

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • ScTP = Screened (Overall Foil) Twisted Pair(s)

*Drain wire is 24 AWG stranded tinned copper on 1624R and 24 AWG solid tinned copper on 1624P.

Color Codes: DataTwist 5 ScTP

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

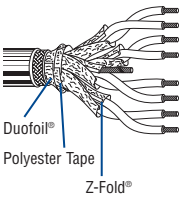
IEEE 802.3 • ISO/IEC 8802.3 10Base5
Transceiver Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Conductor (stranding) Nom. DCR	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Drain Wire	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance * pF/Ft.	Nominal Capacitance * pF/m	Nominal Capacitance ** pF/Ft.	Nominal Capacitance ** pF/m

28 and 24 AWG Stranded TC Conductors • Twisted Pairs • Overall Polyester Isolation Tape + Duofoil® + TC Braid Shield (92% Coverage) • Drain Wire

Non-Plenum • Polypropylene Insulation • Light Gray PVC Jacket

UL AWM Style 2919 (30V 80°C)	9903	NEC: CMG CEC: CMG	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	21.5 43.0	9.8 19.5	3 Pair: 28 AWG (7x36) TC 65.0Ω/M′ 213.0Ω/km 1 Pair: 24 AWG (7x32) TC 24.0Ω/M′ 78.7Ω/km Each Pair Individually Beldfoil® Shielded	Polyester Isolation Tape + Duofoil + 92% Tinned Copper Braid 2.9Ω/M′ 9.5Ω/km	.250	6.35	24 AWG Stranded Tinned Copper	78•	66%	19.7	64.6	34.8	114.2

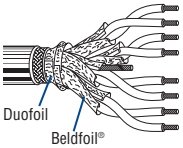


•3 Pairs

20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Overall Polyester Isolation Tape + Duofoil + TC Braid Shield (95% Coverage) • Drain Wire

Non-Plenum • Datalene® Insulation • Light Gray PVC Jacket

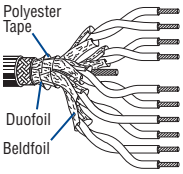
UL AWM Style 2919 (30V 80°C)	9901	NEC: CL2, CM CEC: CM	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	53.5 106.0	24.3 48.2	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil Shielded 10.5Ω/M′ 34.4Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 2.0Ω/M′ 6.6Ω/km	.415	10.54	22 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8



For Plenum version of 9901, see 89901.

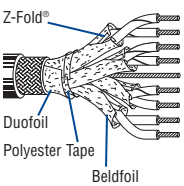
DEC Part No. 17-01320-00

UL AWM Style 2919 (30V 80°C)	9902	NEC: CL2, CM CEC: CM	5	Gray/White, Yellow/Orange, Blue/Green, Red/Brown, Red/Black	500 1000	152.4 304.8	76.0 145.0	34.5 65.9	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil Shielded 10.5Ω/M′ 34.4Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 1.65Ω/M′ 5.4Ω/km	.495	12.58	20 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8



Plenum • FEP Teflon® Insulation†† • Light Gray Fluorocopolymer (PVDF) Jacket

150°C	89901	NEC: CMP CEC: CMP	4	Gray/White, Yellow/Orange, Blue/Green, Red/Black	500†† 1000††	152.4 304.8	51.5 104.0	23.4 47.3	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil Shielded 10.5Ω/M′ 34.4Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 1.5Ω/M′ 4.9Ω/km	.370	9.40	22 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8



††Foam FEP (data pairs) and solid FEP (power pair).
DEC Part No. 17-01319-00 • Suitable for Outdoor and Direct Burial applications.

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
††Spools are one piece, but length may vary ±10% from length shown.

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

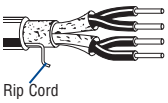
IEEE 802.5; ISO/IEC 8802.5

IBM Cabling System
Types 1A and 1

IBM Type 1A • 22 AWG Solid BC Conductors • Each Pair Individually Beldfoil® Shielded + Overall TC Braid Shield (65% Coverage) • Rip Cord

Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket

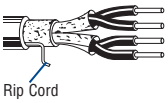
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	AWG (stranding) Diameter Nom. DCR	Shielding	Nom. Imped. (Ω)	Nominal Capacitance * pF/Ft.	Nominal Capacitance * pF/m	Freq. (MHz)	Maximum Attenuation (dB/ 1000′)	Maximum Attenuation (dB/ 100m)	Min. NEXT (dB/ 3280′)	Min. NEXT (dB/ 1000m)
IBM Part No. 4716748 33G2772	9688	NEC: CMG CEC: CMG	2	500† 1000† 2000† 3600†	152.4 304.8 609.8 1097.6	26.5 50.0 102.0 190.8	12.0 22.7 46.3 86.5	.296 x .431	7.52 x 10.95	22 (solid) BC .026″ 16.7Ω/M′ 54.7Ω/km	100% Beldfoil Each Pair + 65% TC Braid Overall	150	8.5	27.9	4 16 100 300 100†† 300†† 600††	6.7 13.4 37.5 65.2 40.8 71.0 100.3	2.2 4.4 12.3 21.4 13.4 23.3 32.9	58.0 50.4 38.5 31.3 — — —	58.0 50.4 38.5 31.3 — — —


Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. For Token Ring (4/16 Mbps), FDDI over copper, and video applications.
IBM qualified Type 1A Media cable for use in IBM Cabling Systems. For Non-suffix "A" Type IBM Product, **see 1634A** below.

Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	AWG (stranding) Diameter Nom. DCR	Shielding	Nom. Imped. (Ω)	Nominal Capacitance * pF/Ft.	Nominal Capacitance * pF/m	Freq. (MHz)	Maximum Attenuation (dB/ 1000′)	Maximum Attenuation (dB/ 100m)	Min. NEXT (dB/ 3280′)	Min. NEXT (dB/ 1000m)
IBM Part No. 4716749 33G8220	82688	NEC: CMP CEC: CMP	2	1000†	304.8	47.0	21.4	.248 x .348	6.30 x 8.84	22 (solid) BC .026″ 16.7Ω/M′ 54.7Ω/km	100% Beldfoil Each Pair + 65% TC Braid Overall	150	8.5	27.9	4 16 100 300 100†† 300†† 600††	6.7 13.4 37.5 65.2 40.8 71.0 100.3	2.2 4.4 12.3 21.4 13.4 23.3 32.9	58.0 50.4 38.5 31.3 — — —	58.0 50.4 38.5 31.3 — — —

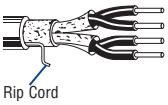

Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified.
IBM qualified Type 1A Media cable for use in IBM Cabling Systems. For Token Ring (4/16 Mbps), FDDI over copper, and video applications.

IBM Type 1 • 22 AWG Solid BC Conductors • Each Pair Individually Beldfoil Shielded + Overall TC Braid Shield (65% Coverage) • Rip Cord

Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	AWG (stranding) Diameter Nom. DCR	Shielding	Nom. Imped. (Ω)	Nominal Capacitance * pF/Ft.	Nominal Capacitance * pF/m	Freq. (MHz)	Maximum Attenuation (dB/ 1000′)	Maximum Attenuation (dB/ 100m)	Min. NEXT (dB/ 3280′)	Min. NEXT (dB/ 1000m)
IBM Part No. 4716748	1634A	NEC: CMG CEC: CMG	2	1000† 2000† 3600†	304.8 609.8 1097.6	50.0 102.0 190.8	22.7 46.4 86.7	.296 x .431	7.52 x 10.95	22 (solid) BC .026″ 17.4Ω/M′ 57.1Ω/km	100% Beldfoil Each Pair + 65% TC Braid Overall	150	8.5	27.9	4 16	6.7 13.4	2.2 4.4	58.0 40.0	58.0 40.0


Rip Cord

Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. For Token Ring (4/16 Mbps), FDDI over copper, and video applications.
IBM qualified Type 1 Media cable for use in IBM Cabling Systems. For Suffix A counterpart see 9688 above.

DCR = DC Resistance • BC = Bare Copper • NEXT = Near-end Crosstalk • TC = Tinned Copper

* Capacitance between conductors
† Spools are one piece, but length may vary ±10% from length shown.
†† Common mode

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

IEEE 802.5; ISO/IEC 8802.5

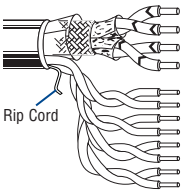
IBM Cabling System
Types 2A and 6A

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		AWG (stranding) Diameter Nom. DCR	Shielding	Nom. Imped. (Ω)	Nominal Capacitance		Freq. (MHz)	Maximum Attenuation		Min. NEXT	
				Ft.	m	Lbs.	kg	Inch	mm				* pF/Ft.	* pF/m		(dB/ 1000′)	(dB/ 100m)	(dB/ 3280′)	(dB/ 1000m)

IBM Type 2A • 22 AWG Solid Bare Copper Conductors • Each Pair Individually Beldfoil® Shielded + Overall TC Braid Shield (65% Coverage)

Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket

IBM Part No.	**9689**	NEC:	6▲	1000†	304.8	80.0	36.4	.324	8.23	22	100%	150	8.5	27.9	1k**	.390	.128	—	—
4716739		CMG		3600†	1097.6	298.8	135.8	x	x	(solid)	Beldfoil	@ 1MHz	(data)	(data)	4	6.7	2.2	58.0	58.0
33G2773		CEC:						.466	11.84	BC	Each Pair	(data)			16	13.4	4.4	50.4	50.4
		CMG								.026″	+ 65%	600			100	37.5	12.3	38.5	38.5
										16.7Ω/M′	TC Braid	@ 1kHz			300	65.2	21.4	31.3	31.3
										54.7Ω/km	Overall	(voice)			100††	40.8	13.4	—	—
											(data only)				300††	71.0	23.3	—	—
															600††	100.3	32.9	—	—

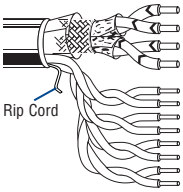


For Plenum version of 9689, see 82689.

IBM qualified Type 2A Media cable for use in IBM Cabling Systems.

Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket

IBM Part No.	**82689**	NEC:	6▲	1000†	304.8	79.0	35.9	.324	8.23	22	100%	150	8.5	27.9	1k**	.390	.128	—	—
4716738		CMP						x	x	(solid)	Beldfoil	@ 1MHz	(data)	(data)	4	6.7	2.2	58.0	58.0
33G8221		CEC:						.460	11.68	BC	Each Pair	(data)			16	13.4	4.4	50.4	50.4
		CMP								.026″	+ 65%	600			100	37.5	12.3	38.5	38.5
										16.7Ω/M′	TC Braid	@ 1kHz			300	65.2	21.4	31.3	31.3
										54.7Ω/km	Overall	(voice)			100††	40.8	13.4	—	—
											(data only)				300††	71.0	23.3	—	—
															600††	100.3	32.9	—	—



IBM qualified Type 2A Media cable for use in IBM Cabling Systems.

IBM Type 6A • 26 AWG Stranded (7x34) BC Conductors • Twisted Pairs • Beldfoil Shielded Pairs + Overall TC Braid Shield (65% Coverage)

Non-Plenum • Datalene® Insulation • Striated Black PVC Jacket

IBM Part No.	**1215A**	NEC:	2	1000†	304.8	46.0	20.9	.325	8.26	26	100%	150	8.5	27.9	4	10	3.3	52.0	52.0
4716743		CL2, CM								(7x34)	Beldfoil				16	20	6.6	44.0	44.0
33G2775		CEC:								BC	Each Pair				100	57	18.7	33.0	33.0
		CM								.019″	+ 65%				300	100	32.3	25.0	25.0
										38.7Ω/M′	TC Braid								
										127.0Ω/km	Overall								

IBM qualified Type 6A Office cable for use in IBM Cabling Systems.

BC = Bare Copper • DCR = DC Resistance • NEXT = Near-end Crosstalk • TC = Tinned Copper

* Capacitance between conductors
** Voice pairs (1 kHz); Data pairs (4–600 MHz)
† Spools are one piece, but length may vary ±10% from length shown.
†† Common mode
▲ (2) shielded Data-grade pairs; (4) unshielded Voice-grade media pairs

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

Industrial Data Solutions® — Industrial Twinax

Twinaxial Cables

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

100 Ohm • 20 AWG Stranded (7x28) .037″ One TC, One BC Conductor • Duofoil® (100% Coverage) + TC Braid Shield (86% Coverage)

Polyethylene Insulation • Polyethylene Inner Jacket • Black PVC Outer Jacket

75°C	**9207**	NEC:	100	30.5	7.1	3.2	20 AWG	.236	5.99	Duofoil	.330	8.38	100	66%	14.5	47.6	1	.3	1.0
		CMG CL2	U-500	U-152.4	34.0	15.5	(7x28)			+ 86%							10	1.2	3.9
		CEC:	500	152.4	34.5	15.7	.037″			TC Braid							50	2.8	9.2
		CMG FT4	1000	304.8	68.0	30.9	1 TC			2.5Ω/M′							100	4.1	13.5
			1640	500.0	111.5	50.7	1 BC			8.2Ω/km							200	6.4	21.0
			2000	609.6	136.0	61.8	9.5Ω/M′										400	10.2	33.5
			3280	1000.0	219.8	99.9	31.0Ω/km												
IBM P/N 7362211			5000	1524.0	350.0	159.1													

For Plenum version of 9207, see 89207.

CPE jacket optional.

124 Ohm • 25 AWG Stranded (7x33) .021″ Tinned Copper Conductors • Beldfoil® (100% Coverage) • Stranded Tinned Copper Drain Wire

Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)

UL AWM	**9271**	NEC:	100	30.5	3.2	1.5	25 AWG	.170	4.32	100%	.240	6.10	124	66%	12.2	40.0	1	.6	2.0
Style 2092		CM	500	152.4	14.0	6.4	(7x33)			Beldfoil							10	1.7	5.6
(300V 60°C)		CEC:	U-1000	U-304.8	27.0	12.3	.021″			Shield							50	3.6	11.8
		CM	1000	304.8	28.0	12.7	Tinned			12.0Ω/M′							100	5.0	16.4
							Copper			39.4Ω/km							200	6.9	22.6
							31.8Ω/M′										400	9.6	31.5
Shorting Fold							104.3Ω/km												

CPE jacket optional.

124 Ohm • 16 AWG Solid .051″ Bare Copper Conductors • Duofoil (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket (Color Code: Clear, Blue)

UL AWM	**9860**	NEC:	500	152.4	52.0	23.6	16 AWG	.322	8.18	Duofoil	.440	11.18	124	78%	10.9	35.8	1	.2	.6
Style 2448		CMX	1000	304.8	103.0	46.8	(solid)			+90%							10	.7	2.3
(30V 60°C)		CEC:	2000	609.6	202.0	91.8	.051″			TC Braid							50	1.8	5.9
		CMX					Bare			1.3Ω/M′							100	2.9	9.5
							Copper			4.3Ω/km							200	4.1	13.5
							4.2Ω/M′										400	6.2	20.3
							13.8Ω/km												

CPE jacket optional.

150 Ohm • 22 AWG Stranded (19x34) .031″ Tinned Copper Conductors • Duofoil (100% Coverage) • Stranded Tinned Copper Drain Wire

Datalene® Insulation • Black PVC Jacket (Color Code: Black, Yellow)

UL AWM	**9182**	NEC:	U-500	U-152.4	22.5	10.2	22 AWG	.275	6.98	100%	.345	8.76	150	78%	8.8	28.9	1	.4	1.3
Style 2668		CL2X CMX	500	152.4	23.0	10.4	(19x34)			Duofoil							10	1.2	3.9
(30V 60°C)		CEC:	1000	304.8	44.0	20.0	.031″			Shield							50	2.7	8.9
VW-1		CMX					Tinned			6.3Ω/M′							100	4.3	14.1
							Copper			20.7Ω/km							200	6.2	20.3
							14.0Ω/M′										400	8.8	28.9
							45.9Ω/km												

For Plenum version of 9182, see 89182.

Dual version: YR41609

CPE jacket optional.

Plenum • Foam FEP Teflon® Insulation • Black FEP Teflon Jacket (Color Code: Black, Yellow)

	89182	NEC:	100	30.5	6.4	2.9	22 AWG	.278	7.06	100%	.307	7.80	150	78%	8.8	28.9	1	.4	1.3
		CMP	500†	152.4	28.0	12.7	(19x34)			Duofoil							10	1.2	3.9
		CL2P	1000†	304.8	53.0	24.1	.031″			Shield							50	2.7	8.9
		CEC:					Tinned			6.3Ω/M′							100	4.3	14.1
		CMP FT6					Copper			20.7Ω/km							200	6.2	20.3
							14.0Ω/M′										400	8.8	28.9
							45.9Ω/km												

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene • TC = Tinned Copper

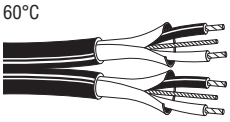
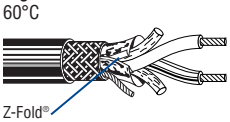
†Spools are one piece, but length may vary ±10% from length shown.

Teflon is a DuPont trademark.

AES/EBU Digital Audio Cable

Single- and Double-Pair Cables

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
110 Ohm • 26 AWG Stranded (7x34) .018″ TC Conductors • Twisted Pair • Beldfoil® Shield (100% Coverage) • 26 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome or Purple PVC Jacket																		
2-Conductor Digital Video Time Code Cable 75°C	**9180**	NEC: CMR CEC: CMG FT4	1	Black, White	1000	304.8	10.0	4.5	37.3Ω/M′ 122.3Ω/km	23.1Ω/M′ 75.8Ω/km	.144	3.66	110	76%	13	43	26	85
 Shorting Fold																		
For cross-connect use with 7891A (et al.) Digital Audio Snake Cables, see page 19.28.																		
24 AWG Stranded (7x32) Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Drain Wire																		
Datalene Insulation • Gray or Purple PVC Jacket																		
60°C	**1800B**	NEC: CMG CEC: CMG FT4	1	Black, Red	500◆	152.4	8.0	3.6	23.7Ω/M′	18.9Ω/M′	.177	4.57	110	76%	12	39	26	85
					U-1000	U-304.8	17.0	7.7	77.7Ω/km	62.0Ω/km								
					1000	304.8	16.0	7.3										
					5000◆	1524.0	90.0	40.8										
For cross-connect use with 1803F (et al.) Digital Audio Snake Cables, see page 19.28. For Plenum version of 1800B, see 1801B.																		
◆500 ft. put-up available in Gray only. 5000 ft. put-up available in Purple only. The jacket and shield are bonded so both can be removed with automatic stripping equipment.																		
24 AWG Stranded (42x40) HC BC Conductors • Conductors Cabled with Fillers • TC "French Braid" Shield (95% Coverage) • BC Drain Wire																		
Datalene Insulation • Matte PVC Jacket (Available in Red, Yellow, Green, Blue, Gray or Black)																		
Digital Mic Cable High-Flex 60°C	**1800F**	NEC: CL2R	1	Black, Red	500▲	152.4	12.0	5.5	23.7Ω/M′	5.0Ω/M′	.211	5.36	110	76%	12	39	26	85
 French Braid					U-1000	U-304.8	26.0	11.8	77.7Ω/km	16.4Ω/km								
					1000▲	304.8	24.0	10.9										
▲500 ft. and 1000 ft. put-ups available in Black only.																		
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG TC Drain Wire																		
Plenum • Foam FEP Teflon® Insulation • Flamarrest® Jacket (Available in Natural White or Purple)																		
75°C, Non-conduit	**1801B**	NEC: CMP CEC: CMP FT6	1	Black, Red	500	152.4	6.0	2.7	23.7Ω/M′	18.9Ω/M′	.165	4.19	110	78%	12	39	26	85
					U-1000	U-304.8	14.0	6.4	77.7Ω/km	62.0Ω/km								
					1000	304.8	12.0	5.5										
24 AWG Stranded (7x32) TC Conductors • Dual Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG TC Drain Wire																		
Datalene Insulation • Purple PVC Jacket in Zip-Cord Construction																		
60°C	**1802B**	NEC: CMG CEC: CMG FT4	2	Black, Red	500	152.4	16.5	7.5	23.7Ω/M′	18.9Ω/M′	.180 x .360	4.57 x 9.14	110	76%	12	39	26	85
					U-1000	U-304.8	35.0	15.9	77.7Ω/km	62.0Ω/km								
					1000	304.8	37.0	16.8										
The jacket and shield are bonded so both can be removed with automatic stripping equipment.																		
22 AWG Stranded (7x30) TC Conductors • Twisted Pair with Fillers • Overall Beldfoil + TC Braid Shield (90% Coverage) • 24 AWG Drain Wire																		
Datalene Insulation • Black High-Flex Matte PVC Jacket																		
DMX512 Type High-Flex 60°C	**1696A**	—	1	Blue, White	250	76.2	8.0	3.6	17.8Ω/M′	4.6Ω/M′	.234	5.94	110	76%	13	43	26	85
 Z-Fold®					500	152.4	14.5	6.6	48.5Ω/km	15.2Ω/km								
					U-1000	U-304.8	30.0	13.6										
					1000	304.8	32.0	14.5										

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HC = High-conductivity • TC = Tinned Copper

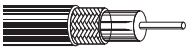
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

Teflon is a DuPont trademark.

Standard Analog Video Cable

75 Ohm High-Frequency Cables
Conformable® Coax Cable

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Insulation Diameter		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
29 AWG Solid .011″ Silver-coated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon® Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C) (1500V RMS 200°C non-UL)	**1672A***	—	500 †† 1000 ††	152.4 304.8	7.5 14.0	3.4 6.4	29 AWG (solid) .011″ SCCCS 205.0Ω/M′ 672.4Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.0Ω/M′ 33.5Ω/km	.087	2.21	75	69.5%	19.5	64.0	1 10 50 100 200 400 700 1000	1.6 1.8 4.1 6.5 9.0 12.8 18.0 22.1	5.3 5.9 13.5 21.3 29.5 42.0 59.1 72.5
																			
TFE Teflon Insulation • PVC Jacket (Black or Clear)																			
UL AWM Style 10245 (30V 105°C) (1500V RMS 200°C non-UL)	**1672J***	—	100 †▲ 500 † 1000 ††	30.5 152.4 304.8	3.1 9.5 17.0	1.4 4.3 7.7	29 AWG (solid) .011″ SCCCS 205.0Ω/M′ 672.4Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.0Ω/M′ 33.5Ω/km	.127	3.23	75	69.5%	19.5	64.0	1 10 50 100 200 400 700 1000	1.6 1.8 4.1 6.5 9.0 12.8 18.0 22.1	5.3 5.9 13.5 21.3 29.5 42.0 59.1 72.5
																			
29 AWG Solid .011″ Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C) (1500V RMS 200°C non-UL)	**1672B***	—	100 † 500 † 1000 †	30.5 152.4 304.8	2.5 7.5 14.0	1.1 3.4 6.4	29 AWG (solid) .011″ SPC 11.0Ω/M′ 36.9Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.0Ω/M′ 33.5Ω/km	.087	2.21	75	69.5%	19.5	64.0	1 10 50 100 200 400 700 1000	1.2 1.8 4.1 6.5 9.0 12.8 18.0 22.1	3.9 5.9 13.5 21.3 29.5 42.0 59.1 72.5
																			

Non-ferrous design

CT = Copper Tin • DCR = DC Resistance • SCCCS = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

†May contain more than one piece. Minimum length of any one piece is 25 ft.

††500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length
1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

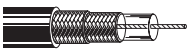
▲100 ft. put-up available in Clear only.

Teflon is a DuPont trademark.

Precision Video Cable for Analog and Digital

RG-59/U Type and
Double Braided RG-59/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
20 AWG Solid .032″ Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)																			
Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)◆																			
SDI/HDTV Digital Video 75°C	**1505A**	NEC: CMR CEC: CMG FT4	500▲ 1000◆ 5000◆	152.4 304.8 1524.0	15.5 35.0 165.0	7.0 15.9 74.8	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.145	3.68	Duofoil + 95% TC Braid 3.8Ω/M′ 12.5Ω/km	.233	5.92	75	83%	16.3	53.5	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 .9 2.1 2.7 3.8 4.4 5.5 6.4 6.5 7.6 9.3 11.6 13.4	1.0 1.8 2.9 6.9 8.9 12.5 14.4 18.0 21.0 21.3 24.9 30.5 38.0 44.0
																			
For Plenum version of 1505A, see 1506A. Also available in bundled versions. See 7794A through 7798A. 100% Sweep tested. 5 MHz to 3 GHz.																			
▲500 ft. put-up available in Black, Red or Blue only. ◆1000 ft. and 5000 ft. put-ups available in all ten colors: Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.																			
Plenum • Foam FEP Teflon® Insulation • Flamarrest® Jacket (Available in 10 colors)■																			
SDI/HDTV Digital Video 75°C	**1506A**	NEC: CMP CEC: CMP FT6	500▼ 1000	152.4 304.8	14.5 29.0	6.6 13.2	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.133	3.38	Duofoil + 95% TC Braid 3.2Ω/M′ 10.5Ω/km	.196	4.98	75	84%	16.1	52.8	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 1.1 2.3 3.2 4.6 5.3 6.4 7.3 7.5 9.4 12.8 17.5 21.9	1.0 2.0 3.4 7.4 10.5 14.9 17.2 21.0 23.9 24.6 30.8 42.0 57.4 71.8
																			
100% Sweep tested. 5 MHz to 3 GHz.																			
▼500 ft. put-up available in Black or Natural only. ■1000 ft. put-up available in all ten colors: Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, Natural or Black.																			
22 AWG Stranded (7x29) .031″ Bare Compacted Copper Conductor* • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)																			
Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black)																			
High-Flex 60°C	**8281F**	—	500◗ 1000	152.4 304.8	34.5 67.0	15.7 30.4	22 AWG (7x29) .031″ BCC 12.2Ω/M′ 40.0Ω/km	.198	4.90	TC Double Braid 98% Shield Coverage 1.7Ω/M′ 5.6Ω/km	.305	7.75	75	66%	21.0	68.9	1 3.6 10.0 71.5 135 270 360 540 720 750 1000	.3 .5 .9 2.5 3.6 5.1 6.0 7.4 8.7 8.9 10.5	.9 1.7 2.9 8.0 11.6 16.7 19.7 24.3 28.5 29.2 34.4
																			
100% Sweep tested. 5 MHz to 830 MHz.																			
◗500 ft. put-up available in Black only.																			
22 AWG Stranded (7x29) .031″ Bare Compacted Copper Conductor* • Tinned Copper/Bare Copper Double Braid Shield (95% Coverage)																			
Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White, Orange or Purple)																			
High-Flex SDI/HDTV Video Patch 75°C	**1505F**	NEC: CM CEC: CM	1000	304.8	45.0	20.4	22 AWG (7x29) .031″ BCC 12.2Ω/M′ 40.0Ω/km	.145	3.68	TC Double Braid 95% Shield Coverage 2.4Ω/M′ 7.8Ω/km	.242	6.15	75	80%	17.0	55.7	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .5 .9 2.5 3.5 5.1 6.0 7.4 8.7 8.9 10.5 13.3 16.9 20.3	.7 1.6 2.9 8.2 11.5 16.7 19.7 24.3 28.5 29.2 34.4 43.6 55.4 66.6
																			
100% Sweep tested. 5 MHz to 3 GHz.																			
*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.																			

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • 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 RG/U cables not listed.

Teflon is a DuPont trademark.

Precision Video Cable for Analog and Digital

Low Loss Serial Digital Coax
RG-6/U and RG-11/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
RG-6/U Type • 18 AWG Solid .040″ Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)																			
Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV Digital Video 75°C	**1694A**	NEC: CMR CEC: CMG FT4	500▲ 1000 4500	152.4 304.8 1371.6	20.5 45.0 202.5	9.3 20.5 91.9	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duofoil + 95% TC Braid 2.8Ω/M′ 9.2Ω/km	.274	6.96	75	82%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .5 .7 1.6 2.1 3.0 3.4 4.3 4.9 5.0 5.9 7.3 9.1 10.7	.8 1.5 2.4 5.2 6.9 9.7 11.3 13.9 16.1 16.4 19.3 24.0 30.0 35.0
For Plenum version of 1694A, see 1695A. Also available in bundled versions. See 7710A through 7713A. 100% Sweep tested. 5 MHz to 3 GHz.																			
▲500 ft. put-up available in Black only.																			
Gas-injected Foam HDPE Insulation • Black Low-Smoke, Zero-Halogen Jacket																			
LSZH and ABS Type Approved SDI/HDTV Digital Video 75°C	**1694SB** new	NEC: CMG-LS CEC: CMG-LS FT4 Limited Smoke	1000	304.8	46.0	20.9	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duofoil + 95% TC Braid 2.8Ω/M′ 9.2Ω/km	.274	6.96	75	82%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .5 .7 1.6 2.1 3.0 3.4 4.3 4.9 5.0 5.9 7.3 9.1 10.7	.8 1.5 2.4 5.2 6.9 9.7 11.3 13.9 16.1 16.4 19.3 24.0 30.0 35.0
100% Sweep tested. 5 MHz to 4.5 GHz.																			
Plenum • Foam FEP Teflon® Insulation • Flamarrest® Jacket (Available in 10 colors)**																			
SDI/HDTV Digital Video 75°C	**1695A**	NEC: CMP CEC: CMP FT6	500◆ 1000	152.4 304.8	20.5 45.0	9.3 20.5	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.170	4.32	Duofoil + 95% TC Braid 2.8Ω/M′ 9.2Ω/km	.234	5.94	75	82%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .5 .8 1.8 2.4 3.4 4.0 5.2 6.1 6.2 7.3 9.2 11.6 13.7	.8 1.5 2.5 5.8 7.9 11.2 13.1 17.1 20.0 20.3 23.9 30.2 38.0 44.9
100% Sweep tested. 5 MHz to 3 GHz.																			
Black jacket suitable for Indoor, Outdoor and Aerial applications. ◆500 ft. put-up available in Black or Natural only.																			
RG-11/U Type • 14 AWG Solid .064″ Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)																			
Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV Digital Video 75°C	**7731A**	NEC: CMR CEC: CMG FT4	500◗ 1000 4000	152.4 304.8 1219.2	46.5 95.0 388.0	21.1 43.1 176.0	14 AWG (solid) .064″ BC 2.5Ω/M′ 8.2Ω/km	.280	7.11	Duofoil + 95% TC Braid 1.5Ω/M′ 4.9Ω/km	.400	10.2	75	85%	16.0	52.4	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .3 .5 1.1 1.5 2.1 2.5 3.1 3.6 3.7 4.3 5.5 6.9 8.2	.5 1.0 1.5 3.6 4.8 6.9 8.0 10.0 11.7 12.0 14.1 18.0 22.6 26.9
100% Sweep tested. 5 MHz to 3 GHz.																			
◗500 ft. put-up available in Red or Black only.																			
Plenum • Foam FEP Teflon Insulation • Fluorocopolymer Jacket (Available in 10 colors)**																			
SDI/HDTV Digital Video 150°C	**7732A**	NEC: CMP CEC: CMP FT6	500◆ 1000 2000▼	152.4 304.8 609.6	45.0 90.0 176.0	20.5 40.8 80.0	14 AWG (solid) .064″ BC 2.5Ω/M′ 8.2Ω/km	.274	6.96	Duofoil + 95% TC Braid 1.6Ω/M′ 5.3Ω/km	.348	8.84	75	83%	16.3	53.5	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .3 .4 1.2 1.8 2.6 3.1 3.9 4.6 4.7 5.5 6.9 9.2 10.2	.5 .9 1.3 4.1 5.8 8.5 10.2 12.8 15.0 15.4 18.0 22.7 30.2 33.5
100% Sweep tested. 5 MHz to 3 GHz.																			
◆500 ft. put-up available in Black or Natural only. ▼2000 ft. put-up available in Natural only. Suitable for Outdoor and Direct Burial applications.																			

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Teflon is a DuPont trademark.

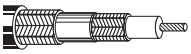
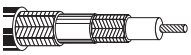
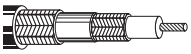
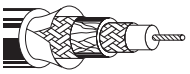
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG-U cables not listed.

* Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.
** Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural.

Video Triax Cable

RG-11/U Type

BRILLIANCE®

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
15 AWG Stranded (19x27) .064″ Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)																			
Gas-injected Foam HDPE Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Purple or Black) Polyethylene Insulation between Braids																			
High-Flex 75°C	**1858A**	—	500 1000	152.4 304.8	80.5 157.0	36.5 71.2	15 AWG (19x27) .064″ BC 3.1Ω/M′ 8.9Ω/km	.312	7.92	(2) BC Braids 95% Coverage Inner: 1.8Ω/M′ 5.2Ω/km Outer: 1.4Ω/M′ 4.6Ω/km	.520	13.20	75	78%	17.3	56.8	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .3 .5 1.2 1.8 2.6 3.1 3.9 4.7 4.8 5.7	.5 1.0 1.6 3.9 5.9 8.5 10.2 12.8 15.4 15.7 18.7
											100% Sweep tested. 5 MHz to 850 MHz.								
Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.																			
Plenum • Foam FEP Teflon® Insulation • Black Fluorocopolymer Jacket (Fluorocopolymer Insulation between Braids)																			
125°C	**1859A**	NEC: CMP CEC: CMP FT6	500 1000	152.4 304.8	66.5 134.0	30.2 60.9	15 AWG (19x27) .064″ BC 3.1Ω/M′ 8.9Ω/km	.285	7.24	(2) BC Braids 95% Coverage Inner: 1.4Ω/M′ 4.6Ω/km Outer: 1.4Ω/M′ 4.6Ω/km	.406	10.30	75	80%	16.5	54.1	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .2 .5 1.3 1.9 3.0 3.6 4.5 5.4 5.6 6.6	.5 .7 1.6 4.3 6.2 9.8 11.8 14.8 17.7 18.4 21.6
											100% Sweep tested. 5 MHz to 850 MHz.								
Suitable for Outdoor and Direct Burial applications. Suitable for Aerial applications when supported by a messenger wire.																			
15 AWG Stranded (19x27) .064″ Bare Copper Conductor • Double Bare Copper Braid Shield (90% Coverage)																			
Gas-injected Foam HDPE Insulation • Yellow PVC Jacket (Polyethylene Insulation between Braids)																			
UL AWM Style 1641 (30V 75°C) VW-1	**9192**	NEC: CL2X	1000	304.8	150.0	68.2	15 AWG (19x27) .064″ BC 3.1Ω/M′ 8.9Ω/km	.312	7.92	(2) BC Braids 90% Coverage Inner: 1.6Ω/M′ 5.2Ω/km Outer: 1.6Ω/M′ 5.2Ω/km	.520	13.20	75	78%	17.3	56.8	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .3 .5 1.2 1.8 2.6 3.1 3.9 4.7 4.8 5.7	.5 1.0 1.6 3.9 5.9 8.5 10.2 12.8 15.4 15.7 18.7
											100% Sweep tested. 5 MHz to 850 MHz.								
Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.																			
Gas-injected Foam HDPE Insulation • Paper Tape Separator • Black Hypalon® Jacket (Polyethylene Insulation between Braids)																			
UL AWM Style 1641 (30V 75°C) VW-1	**9232**	—	500 1000	152.4 304.8	76.5 145.0	34.7 65.9	15 AWG (19x27) .064″ BC 3.1Ω/M′ 8.9Ω/km	.312	7.92	(2) BC Braids 90% Coverage Inner: 1.6Ω/M′ 5.2Ω/km Outer: 1.6Ω/M′ 5.2Ω/km	.520	13.20	75	78%	17.3	56.8	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .3 .5 1.2 1.8 2.6 3.1 3.9 4.7 4.8 5.7	.5 1.0 1.6 3.9 5.9 8.5 10.2 12.8 15.4 15.7 18.7
											100% Sweep tested. 5 MHz to 850 MHz.								
Suitable for Outdoor and Direct Burial applications.																			

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene

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

Hypalon is a DuPont trademark.

Teflon is a DuPont trademark.

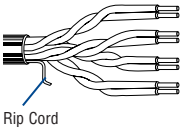
RJ-45 Cables for Audio and Video Applications

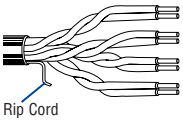
4-Pair UTP Cables for RGB Video & Wireless LAN

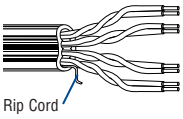
NanoSkew® Non-Data and Brilliance VideoTwist® Low-Skew Data Rated Types

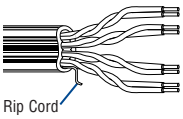
BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Insulation Thickness		Nominal OD		Max. DCR (Ω/ 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm										
Nanoskew™ Category 5e • 24 AWG Bonded-Pairs Solid Bare Copper Conductors • Skew 9.0ns/100m Nominal • Rip Cord																					
Non-Plenum • Polyolefin Insulation (Color Code: See Chart Below) • **Green PVC Jacket**																					
300V RMS	**7988R** new	NEC: CMR CEC: CMG FT4	4	U-1000 U-1640	U-304.8 U-500.0	22.0 36.1	10.0 16.4	.008	.20	.204	5.18	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0
															4	4.1	53.3	49.2	48.7	100±15	23.0
															8	5.8	48.8	43.0	42.7	100±15	24.5
															10	6.5	47.3	40.8	40.8	100±15	25.0
															16	8.2	44.3	36.0	36.7	100±15	25.0
															20	9.3	42.8	33.5	34.7	100±15	25.0
															25	10.4	41.3	30.9	32.8	100±15	24.3
															31.25	11.7	39.9	28.2	30.9	100±15	23.6
															62.5	17.0	35.4	18.4	24.8	100±15	21.5
															100	22.0	32.3	10.3	20.8	100±15	20.1
															155	28.1	29.5	2.0	16.9	100±25	15.8
															200	32.4	27.8	1.0	14.7	100±25	15.0
Plenum • FEP Insulation (Color Code: See Chart Below) • **Green Flamarrest® Jacket**																					
300V RMS	**7988P** new	NEC: CMP CEC: CMP FT6	4	U-1000 U-1640	U-304.8 U-500.0	23.0 37.7	10.4 17.1	.008	.20	.193	4.90	9.0	3.0	66.0	(same as 7988R above)						
Nanoskew™ Category 6 • 23 AWG Bonded-Pairs Solid Bare Copper Conductors • Skew 10.0ns/100m Nominal • Rip Cord																					
Non-Plenum • Polypropylene Insulation (Color Code: See Chart Below) • **Blue PVC Jacket**																					
300V RMS	**7989R** new	NEC: CMR CEC: CMG FT4	4	1000 1640	304.8 500.0	32.0 52.5	14.5 23.8	.009	.23	.365 x .165	9.27 x 4.19	9.0	3.0	49.2	1	2.0	72.3	70.3	64.8	100±15	20.0
															4	3.8	63.3	59.5	52.7	100±15	23.0
															8	5.3	58.8	53.4	46.7	100±15	24.5
															10	6.0	57.3	51.3	44.8	100±15	25.0
															16	7.6	54.3	46.7	40.7	100±15	25.0
															20	8.5	52.8	44.3	38.7	100±15	25.0
															25	9.5	51.4	41.8	36.8	100±15	24.3
															31.25	10.7	49.9	39.2	34.9	100±15	23.6
															62.5	15.4	45.4	30.0	28.8	100±15	21.5
															100	19.8	42.3	22.5	24.8	100±15	20.1
															155	25.2	39.5	14.3	20.9	100±22	18.8
															200	29.0	37.8	8.8	18.7	100±22	18.0
															250	32.8	36.3	3.5	16.8	100±32	17.3
Plenum • FEP Teflon® Insulation (Color Code: See Chart Below) • **Blue Flamarrest Jacket**																					
300V RMS	**7989P** new	NEC: CMP CEC: CMP FT6	4	1000 1640	304.8 500.0	41.0 62.3	18.6 28.3	.009	.23	.365 x .165	9.27 x 4.19	9.0	3.0	49.2	(same as 7989R above)						









ACR = Attenuation Crosstalk Ratio • BC = Bare Copper • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene Propylene • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • TC = Tinned Copper • UTP = Unshielded Twisted Pair(s)

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Color Codes

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Teflon is a DuPont trademark.

S-Video Cable

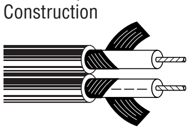
High-Flex S-Video Cables

BRILLIANCE®

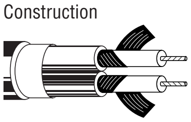
The S-video format, also known as Y/C or Super VHS (SVHS) video, requires two coaxial cables to allow for separate transmission of the two parts of a VHS video signal; the luminance (Y) and chrominance (C). The chrominance signal contains the color information and the luminance the black and white or brightness information of the video signal. This separated transmission of the VHS video signal provides better picture resolution with less noise than does the standard VHS format.

Belden's S-Video cables have been designed specifically for use in this format. Belden's S-Video cables are available in two popular constructions; a Zip style dual coax and a Round jacketed version. The Zip construction provides for quick and easy termination. The Round design provides better aesthetics and is more rugged. Both cables are highly flexible.

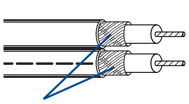
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
30 AWG Stranded (7x38) .012″ Tinned Copper Conductors • Tinned Copper Serve Shield (90% Coverage)																			
Foam HDPE Insulation • Matte Black PVC Jacket (One Coax Printed and Striped for Identification)																			
Parallel Zip	1807A	—	U-500	U-152.4	8.0	3.6	30 AWG	.058	1.47	TC Serve	.110	2.79	75	78%	17.3	56.7	1	.6	2.0
Construction			500	152.4	7.5	3.4	(7x38)			90% Shield	x	x					5	1.4	4.6
			U-1000	U-304.8	15.0	6.8	.012″			Coverage	.230	5.84					10	2.1	6.9
			1000	304.8	14.0	6.4	TC			7.5Ω/M′							30	3.8	12.5
							100.0Ω/M′			24.6Ω/km							50	5.1	16.7
							328.0Ω/km										100	7.6	24.9
																	200	11.3	37.1
																	400	16.9	55.4
																	700	23.3	76.4
																	900	26.9	88.2
																	1000	28.6	93.8
Foam HDPE Insulation • Matte Black PVC Jacket (Inner PVC Jackets Color Code: Black and Yellow)																			
Round	1808A	—	U-500	U-152.4	14.5	6.6	30 AWG	.058	1.47	TC Serve	.255	.84	75	78%	17.3	56.7	1	.6	2.0
Construction			500	152.4	16.5	7.5	(7x38)	Coax OD:		90% Shield							5	1.4	4.6
			U-1000	U-304.8	31.0	14.1	.013″	.100	2.54	Coverage							10	2.1	6.9
			1000	304.8	33.0	15.0	TC			7.5Ω/M′							30	3.8	12.5
							100.0Ω/M′			24.6Ω/km							50	5.1	16.7
							328.0Ω/km										100	7.6	24.9
																	200	11.3	37.1
																	400	16.9	55.4
																	700	23.3	76.4
																	900	26.9	88.2
																	1000	28.6	93.8
30 AWG Stranded (7x38) .012″ Tinned Copper Conductors • Tinned Copper "French Braid" Shield (98% Coverage)																			
Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket (One Coax Printed and Striped for Identification)																			
Parallel Zip	7700A	NEC:	500	152.4	8.5	3.9	30 AWG	.053	1.35	TC	.107	2.72	75	78%	17.3	56.7	1	.7	2.3
Construction		CMP	1000	304.8	17.0	7.7	(7x38)			"French Braid"	x	x					5	1.7	5.6
		CEC:					.012″			98% Shield	.214	5.44					10	2.3	7.5
		CMP FT6					TC			Coverage							30	4.1	13.4
							100.0Ω/M′			7.5Ω/M′							50	5.3	17.4
							328.0Ω/km			24.6Ω/km							100	7.6	24.9
																	200	11.8	38.7
																	400	17.6	57.7
																	700	24.2	79.4
																	900	28.0	91.8
																	1000	29.8	97.7



For Plenum version of 1807A, see 7700A.



Available in Plenum versions by special order only.



French Braid

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

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

Teflon is a DuPont trademark.