



Welcome To The Most Complete Resource In The Industry For Reliable Electronic Wire And Cable:

The Belden® Master Catalog is a uniquely distinctive publication. An unparalleled resource for electronic wire and cable solutions, the catalog represents Belden's commitment to providing you with the most reliable electronic wire and cable products, whatever the application or need.

- > Industrial networking, instrumentation and control systems
- > Broadcast, entertainment and broadband markets
- > Wireless communications
- > Electrical equipment, including motors and apparatus

The Industry's Premier Source Of Information For Today's Designers And Specifiers.

The catalog, however, is much more than a listing of products. It is also the industry's premier source of information for today's designers and specifiers. We believe you'll find our Master Catalog to be an essential tool for solving a wide range of application problems.

Every one of our products is the result of foresight and leadership, and a proactive response to both emerging technologies and the changing needs of our customers.

Our Commitment To World-Class Manufacturing Is Unrivaled

Our world-class manufacturing standards are at the very heart of what distinguishes us from our competitors. All Belden products are manufactured using the industry's highest standards of quality, with the most advanced equipment, systems, controls and processes.

Choose From More Than 3,000 Wire And Cable Products

Belden has one of the largest product offerings in the markets we serve. Our selection of more than 3,000 wire and cable products is devoted to applications such as:

- > Home automation systems and networks
- > Computer networking and equipment for commercial organizations
- > Alarm, security and communications

Quality Management System Further Ensures Product Reliability

To assure Belden products meet your requirements, we use a formal, documented Quality Management System based on our Quality Policy and the ISO 9000 family of international standards. Belden Electronics was the first UL Registered Wire and Cable Company to receive registration to ISO 9001:2002. Our ISO certification is a confirmation of Belden's pledge to total quality and to continual improvement through our company's quality processes.

What this all adds up to is an unceasing dedication to reliability, which is at the root of Belden's aggressive, continual search for ways to meet the often complicated needs of our customers.



Paired Cable

No. of Pairs	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid							
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page						
23 AWG																				
4	7851A▼	11.3	—	—	—	—	—	—	—	—	—	—	—	—						
	7852A▼	11.3																		
	1872A▼	11.4																		
	1874A▼	11.4																		
	7881A▼	11.5																		
		14.9																		
	7882A▼	11.5																		
		14.9																		
	7883A▼	11.5																		
11872A	15.9																			
121872A	15.9																			
22 AWG																				
1	8740▼	5.4	8737	5.24	8437▼	5.23	8450▼	12.11	3079A	15.19	—	—	—	—						
	88442	4.4					9414	5.18							3105A	15.26				
		4.23													9462	5.18			1696A	12.27
		5.6													8761	12.12				
		5.48														5.18				
	82442	4.4													9461	12.12				
		4.23														5.18				
		5.6													8451	12.11				
		5.48														5.19				
	9407	15.41													9451	12.11				
																5.19				
															1266A	12.11				
																5.19				
															1503A	12.11				
																5.19				
															88761	12.12				
																5.20				
																5.51				
															87761	12.12				
																5.20				
																5.51				
				82761	12.12															
					5.20															
					5.51															
				9182•	15.15															
					6.84															
				89182•	15.15															
					6.84															
				3077F	15.19															
				3078F	15.19															
				9322	15.41															
1-1/2	—	—	—	—	—	—	—	—	3106A	15.26	—	—	—	—						
2	8741▼	5.4	—	—	—	—	9302▼	5.17	8302	5.32	9406	5.38	—	—						
	9744	5.5					9184▼	5.17	9855▼	5.33	8723	12.13								
	88741	5.6					3000A	15.41	1268A▼	5.33		14.18								
		5.48					9512	15.41	89855▼	5.33		15.27								
	82741	5.6								5.52		5.38								
									1269A▼	5.33	82723	12.13								
									9696▼	5.33		5.38								
									89696▼	5.33		5.54								
										5.52	88723	12.13								
										15.26		15.27								
												5.38								
												5.54								
												87723								
							12.13													
							5.38													
							5.54													
							8728■													
							5.46													
							9688■▼													
							11.20													
							82688■▼													
							11.20													
							1634A■▼													
							11.20													
							3087A													
							15.23													

*Armored
 ▼ Solid conductors
 †Triad
 • Duofoil® shield
 ◆ Siamese version
 ■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.
 ◐ Quad

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 insulated 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	.037	.94	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	3.0	1.40	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	3.0	1.40	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	4.0	1.80	2, 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	4.0	1.80	1-10
						1000 [†]	304.8	6.0	2.70	1-10

*Complies with MIL-W-16878 except stranding.

†Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.



Test Prod Wire and Gas Tube Sign and Ignition Cable

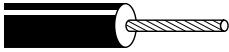
18 AWG Rubber Insulated 10,000V, 90°C

Product Description

Tinned copper, rubber insulated.

Suggested Working Voltage: 10,000V

Breakdown Voltage: 29,000V



24 AWG Rubber Insulated 1000V, 90°C • Miniature

Product Description

Tinned copper, separator, rubber insulated.

Suggested Working Voltage: 1000V

Breakdown Voltage: 10,000V



Gas Tube Sign and Ignition UL GTO-10 — 10kV, 105°C (CSA Type GTO-10 — 10kV)

Product Description

GTO cables are single conductors for use with gas-tube systems for signs, outline lighting or interior lights and for use with oil-burning equipment in accordance with the National Electrical Code. GTO-10 lead wire has an 18 AWG stranded tinned copper conductor and is insulated with a chemically cross-linked ethylene-propylene diene elastomer. Unshielded, it is available with either a flat black (color code 10) or dark gray (color code 876) exterior.



Stranded tinned copper conductor

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	

18 AWG Rubber Insulated

10,000V, 90°C										
8898	18 (65x36)	.088	2.24	.229	5.82	25	7.6	1.7	.8	2, 10
						100	30.5	4.4	2.0	2, 10
						500	152.4	20.0	9.1	2, 10

24 AWG Rubber Insulated

1000V, 90°C • Miniature										
8890	24 (45x40)	.019	.48	.066	1.68	25	7.6	.1	.05	2, 10
						100	30.5	.4	.20	2, 10
						500	152.4	2.5	1.10	2, 10

Part No.	AWG (stranding) [sq. mm] (stranding in mm)	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	

10kV, 105°C (UL) • 10kV (CSA)

UL and CSA Type GTO-10										
39018	18 (19x30) [.96 (19x.25)]	.100	2.54	.247	6.27	500*	152.4	18.0	8.2	10, 876
						1000*	304.8	37.0	16.8	10, 876
						1500*	457.3	54.0	24.5	10, 876

*Spools may contain more than one piece. Length may vary ±10% from length shown.



Precision Video Cable for Analog and Digital

RG-6/U and RG-11/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-6/U Type • 18 AWG Solid .040" Bare Copper • Duofoil® + 95% Tinned Copper Braid Shield

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV Digital Video 75°C	1694A <small>new</small>	NEC: CMR CEC: CMG FT4	500 [▲] 1000 4500	152.4 304.8 1371.6	23.0 45.0 200.5	10.5 20.5 91.1	18 AWG (solid) .040" BC 6.4Ω/M' 21.0Ω/km	.180 4.57	Duofoil + 95% TC Braid 2.8Ω/M' 9.2Ω/km	.275 6.99	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		

*500 ft. put-up available in Black only.

Plenum • Foam FEP Insulation • Flamarrest® Jacket (Available in 10 colors)**																			
SDI/HDTV Digital Video 75°C	1695A <small>new</small>	NEC: CMP CEC: CMG FT6	500 [†] 1000 [†]	152.4 304.8	22.5 45.0	10.2 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 7.3 7.5 9.2 11.6 13.7	.8 1.5 2.5 5.8 7.9 11.2 13.1 17.1 20.0 23.9 24.6 30.2 38.0 44.9		

*500 ft. put-up available in Black, Red, Yellow, Violet or Natural only.

RG-11/U Type • 14 AWG Solid .064" Bare Copper • Duofoil + 95% Tinned Copper Braid Shield

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	48.0 94.0 467.0	21.8 42.8 212.3	14 AWG (solid) .064" BC 2.5Ω/M' 8.2Ω/km	.280 7.11	Duofoil + 95% TC Braid 1.5Ω/M' 4.9Ω/km	.405 10.3	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		

*500 ft. put-up available in Red or Black only.

Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Available in 10 colors)**																			
SDI/HDTV Digital Video 150°C	7732A <small>new</small>	NEC: CMP CEC: CMG FT6	500 [*] 1000 2000 [*]	152.4 304.8 609.6	45.0 88.0 176.0	20.5 40.0 80.0	14 AWG (solid) .064" BC 2.5Ω/M' 8.2Ω/km	.274 6.96	Duofoil + 95% TC Braid 2.5Ω/M' 8.2Ω/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 4.7 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		

*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 • 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.

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

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

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



Bundled RGB Cable

CM and CMP Rated



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

26 AWG Stranded (7x34) .019" Bare Copper • Duofoil® + 93% Tinned Copper Braid Shield • Overall Polyester Tape

Foam HDPE Insulation • Overall Black PVC Jacket • Inner PVC Jacket (Color Code: Red, Green, Blue, White, Yellow)

UL AWM Styles 1354 and 2668 (30V 60°C)	1164B	NEC: CM	3	500†	152.4	39.5	18.0	26 AWG (7x34) .019" BC 41.5Ω/M' 136.1Ω/km	.090	2.29	Duofoil + 93% TC Braid 8.6Ω/M' 28.2Ω/km	.388	9.86	75	78%	17.3	56.7	1	.6	2.0
				1000†	304.8	78.0	Coax OD:		as	5		1.3	4.3							
										10		1.8	5.9							
										30		3.1	10.2							
										50		3.9	12.8							
										100		5.4	17.7							
					200	7.5	24.6													
					400	10.4	34.1													
					700	13.5	44.3													
					900	15.2	49.9													
					1000	15.9	52.2													
	1167B	NEC: CM	4	1000†	304.8	105.0	47.7	same as above	.090 Coax OD: .146	2.29 as 3.71	same as above	.455	11.56				900	15.2	49.9	
																	1000	15.9	52.2	
	1418B	NEC: CM	5	500†	152.4	61.0	27.7	same as above	.090 Coax OD: .146	2.29 as 3.71	same as above	.477	12.12							
				1000†	304.8	118.0	53.6													

100% Sweep tested. 10 MHz to 40 MHz.

RG-59/U Type • 22 AWG Stranded (7x30) .030" Bare Copper • Duofoil + 95% TC Braid (Coaxes) • 100% Overall Beldfoil® Shield

Plenum • Foam FEP Insulation • Overall Natural Flamarest® Jacket • Inner Fluorocopolymer Jacket (See chart below)

60°C	1824A	NEC: CMP	3	500	152.4	63.5	28.9	22 AWG (7x30) .030" BC 15.3Ω/M' 50.2Ω/km	.135	3.43	Coaxes: Duofoil + 95% TC Braid 2.5Ω/km 8.3Ω/km Overall: Beldfoil 100% Shield Coverage 11.1Ω/M' 36.4Ω/km	.475	12.07	75	81%	17.3	56.7	1	.3	.8
				1000	304.8	127.0	57.7		Coax OD:	as		5	.6					1.9		
										10		.8	2.7							
										30		1.5	4.9							
										50		2.0	6.4							
										100		2.9	9.5							
					200	4.3	14.2													
					400	6.6	21.6													
					700	9.4	30.9													
					900	11.1	36.4													
					1000	11.9	39.0													
	1825A	NEC: CMP	4	500	152.4	84.5	38.4	same as above	.135 Coax OD: .200	3.43 as 5.08	same as above	.527	13.39							
				1000	304.8	167.0	75.9													
	1826A	NEC: CMP	5	500	152.4	101.5	46.1	same as above	.135 Coax OD: .200	3.43 as 5.08	same as above	.585	14.86							
				1000	304.8	201.0	91.4													

100% Sweep tested. 10 MHz to 40 MHz.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

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

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

Color Code Chart

Cond.	Color	Cond.	Color
1	Red	4	White
2	Green	5	Yellow
3	Blue		



Precision Video Cable for Analog and Digital

Low Loss Serial Digital Coax
RG-6/U, RG-7/U and RG-11/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-6/U Type • 18 AWG Solid .040" Bare Copper • Duofoil® + 95% Tinned Copper Braid Shield

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV	1694A	NEC:	500 [▲]	152.4	23.0	10.5	18 AWG	.180	4.57	Duofoil	.275	6.99	75	82%	16.2	53.1	1	2	.8
Digital Video	new	CMR	1000	304.8	45.0	20.5	(solid)			+ 95%							3.6	.5	1.5
75°C		CEC:	4500	1371.6	207.0	94.3	.040"			TC Braid							10	.7	2.4
		CMG FT4					BC			2.8Ω/M'							71.5	1.6	5.2
							6.4Ω/M'			9.2Ω/km							135	2.1	6.9
							21.0Ω/km										270	3.0	9.7
																	360	3.4	11.3
																	540	4.3	13.9
																	720	4.9	16.1
																	750	5.0	16.4
																	1000	5.9	19.3
																	1500	7.3	24.0
																	2250	9.1	30.0
																	3000	10.7	35.0

*500 ft. put-up available in Black only.

Plenum • Foam FEP Insulation • Flamarest® Jacket (Available in 10 colors)**																			
SDI/HDTV	1695A	NEC:	500 [†] *	152.4	22.5	10.2	18 AWG	.170	4.32	Duofoil	.234	5.94	75	82%	16.2	53.1	1	2	.8
Digital Video	new	CMR	1000 [†]	304.8	45.0	20.5	(solid)			+ 95%							3.6	.5	1.5
75°C		CEC:					.040"			TC Braid							10	.8	2.5
		CMG FT6					BC			2.8Ω/M'							71.5	1.8	5.8
							6.4Ω/M'			9.2Ω/km							135	2.4	7.9
							21.0Ω/km										270	3.4	11.2
																	360	4.0	13.1
																	540	5.2	17.1
																	720	6.1	20.0
																	750	7.3	23.9
																	1000	7.5	24.6
																	1500	9.2	30.2
																	2250	11.6	38.0
																	3000	13.7	44.9

*500 ft. put-up available in Black, Red, Yellow, Violet or Natural only.

RG-7/U Type • 16 AWG Solid .064" Bare Copper • Duofoil + 95% Tinned Copper Braid Shield

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)**																			
SDI/HDTV	7855A	NEC:	500 [▼]	152.4	32.5	14.8	16 AWG	.225	5.71	Duofoil	.320	8.13	75	84%	16.1	52.8	1	2	.6
Digital Video		CMR	1000	304.8	62.0	28.2	(solid)			+ 95%							3.6	.4	1.2
80°C		CEC:					.064"			TC Braid							10	.6	1.9
		CMG FT4					BC			1.7Ω/M'							71.5	1.1	3.6
							1.2Ω/M'			5.6Ω/km							135	1.8	5.8
							3.9Ω/km										270	2.5	8.1
																	360	2.9	9.4
																	540	3.6	11.7
																	720	4.2	13.7
																	750	4.3	14.0
																	1000	5.0	16.3
																	1500	6.1	20.0
																	2500	7.9	25.9
																	3000	8.7	28.5

*500 ft. put-up available in Black only.

RG-11/U Type • 14 AWG Solid .064" Bare Copper • Duofoil + 95% Tinned Copper Braid Shield

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV	7731A	NEC:	500 [*]	152.4	48.0	21.8	14 AWG	.280	7.11	Duofoil	.405	10.3	75	85%	16.0	52.4	1	2	.5
Digital Video		CMR	1000	304.8	94.0	42.8	(solid)			+ 95%							3.6	.3	1.0
75°C		CEC:	4000	1219.2	467.0	212.3	.064"			TC Braid							10	.5	1.5
		CMG FT4					BC			1.5Ω/M'							71.5	1.1	3.6
							2.5Ω/M'			4.9Ω/km							135	1.5	4.8
							8.2Ω/km										270	2.1	6.9
																	360	2.5	8.0
																	540	3.1	10.0
																	720	3.6	11.7
																	750	3.7	12.0
																	1000	4.3	14.1
																	1500	5.5	18.0
																	2250	6.9	22.6
																	3000	8.2	26.9

*500 ft. put-up available in Red or Black only.

Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Available in 10 colors)**																			
SDI/HDTV	7732A	NEC:	500 [*]	152.4	45.0	20.5	14 AWG	.274	6.96	Duofoil	.348	8.84	75	83%	16.3	53.5	1	2	.5
Digital Video	new	CMR	1000	304.8	88.0	40.0	(solid)			+ 95%							3.6	.3	.9
150°C		CEC:	2000 [*]	609.6	176.0	80.0	.064"			TC Braid							10	.4	1.3
		CMG FT6					BC			2.5Ω/M'							71.5	1.2	4.1
							2.5Ω/M'			8.2Ω/km							135	1.8	5.8
							8.2Ω/km										270	2.6	8.5
																	360	3.1	10.2
																	540	3.9	12.8
																	720	4.6	15.0
																	750	4.7	15.4
																	1000	5.5	18.0
																	1500	6.9	22.7
																	2250	9.2	30.2
																	3000	10.2	33.5

*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 • 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.

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

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

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



Precision Video Cable for Analog and Digital

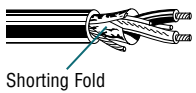
Digital Video Time Code and
Precision Video Twinax



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.

110 Ohm • 26 AWG Stranded (7x34) .018" Tinned Copper • Twisted Pair • Beldfoil® Shield • 26 AWG Stranded TC Drain Wire

Datalene® Insulation (Color Code: Black, White) • PVC Jacket (Chrome or Purple)																			
80°C	9180	NEC: CMR CEC: CMG FT4	1000	304.8	11.0	5.0	26 AWG (7x34) .018" TC 37.3Ω/M' 122.3Ω/km	.049	1.24	Beldfoil w/Stranded TC Drain Wire 23.1Ω/M' 75.8Ω/km	.144	3.66	110	78%	13.0	42.7	1	1.0	3.3
																	3	1.6	5.2
																	5	1.9	6.2
																	7	2.2	7.2
																	9	2.5	8.2
																	12	2.8	9.2
																	20	3.6	11.8
																	30	4.4	14.4
																	40	5.2	17.1
																	50	5.6	18.4



Shorting Fold

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

Foam Polyethylene Insulation (Color Code: Clear, Blue) • Black PVC Jacket																			
UL AWM Style 2448 (30V 60°C)	9860	NEC: CMX CEC: CMX	500	152.4	52.0	23.6	16 AWG (solid) .051" BC 4.2Ω/M' 13.8Ω/km	.322	8.18	Duofoil + 90% TC Braid 1.3Ω/M' 4.3Ω/km	.440	11.18	124	78%	10.9	35.8	1	.2	.6
			1000	304.8	103.0	46.8											10	.7	2.3
			2000	609.6	202.0	91.8											50	1.8	5.9
																	100	2.9	9.5
																	200	4.1	13.5
																	400	6.2	20.3



BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

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

Maximum Transmission Distance at Serial Digital Data Rates

Data Rate:	143 Mb/s		177 Mb/s		270 Mb/s		360 Mb/s		540 Mb/s		1.5 Gb/s	
Spec:	SMPTE 259M		ITU-R BT. 601		SMPTE 259M		SMPTE 259M		SMPTE 344M*		SMPTE 252M	
Application:	Composite NTSC		Composite PAL		Component Video		Component Widescreen		Component Widescreen		HDTV	
Part No.	Ft.	m	Ft.	m	Ft.	m	Ft.	m	Ft.	m	Ft.	m
1865A	810	247	760	232	600	183	520	158	420	128	170	52
8279	910	277	810	247	640	195	550	168	440	134	170	52
1855A-7787A	1000	305	910	277	750	229	650	198	530	162	210	64
9209	1030	314	930	283	750	229	650	198	540	165	200	61
9209A	1030	314	930	283	750	229	650	198	540	165	200	61
1505A-7794A	1430	436	1320	402	1110	338	960	293	790	241	300	91
1505F	1200	366	1071	326	857	261	732	223	588	179	225	69
1506A	1360	415	1200	366	940	286	810	247	670	204	270	82
9231	1430	436	1270	387	1000	305	850	259	680	207	260	79
9141	1430	436	1270	387	1000	305	850	259	680	207	260	79
8281	1430	436	1270	387	1000	305	860	262	700	213	260	79
8281B	1430	436	1270	387	1000	305	850	259	680	207	250	76
8281F	1250	381	1100	335	860	262	730	222	590	180	240	73
88281	1300	396	1150	351	910	277	770	235	600	183	200	61
1694A-7710A	1760	536	1620	494	1360	415	1180	360	970	296	370	113
1695A	1670	509	1520	463	1250	381	1080	329	880	268	310	94
7855A	2220	677	2000	610	1670	509	1460	445	1210	369	470	143
7731A	2730	832	2460	750	2000	610	1740	530	1430	436	540	165
7732A	2420	738	2140	652	1690	515	1440	439	1150	351	430	131

*Values proposed at time of printing.

The serial digital interconnect standards are designed to operate where the signal loss at 1/2 the clock frequency does not exceed the approximate loss values listed below. The maximum length values shown are based on typical attenuation values for the cables listed and the following criteria:

- Maximum length = 30 dB loss at 1/2 the clock frequency: SMPTE 259M, PAL, Widescreen.
- Maximum length = 20 dB loss at 1/2 the clock frequency: SMPTE 292M.

The bit error rate (BER) can vary dramatically as the calculated distances are approached. BER is dependent on receiver design and the losses of the actual coax used. Distribution and routing equipment manufacturers should be contacted to verify their maximum recommended transmission.

Return Loss Headroom — Refer to graph on page 12.70.



Technical Information



Maximum Transmission Distance at Serial Digital Data Rates

Data Rate:		143 Mb/s		177 Mb/s		270 Mb/s		360 Mb/s		540 Mb/s		1.5 Gb/s	
Spec:		SMPTE 259M		ITU-R BT. 601		SMPTE 259M		SMPTE 259M		SMPTE 344M*		SMPTE 252M	
Application:		Composite NTSC		Composite PAL		Component Video		Component Widescreen		Component Widescreen		HDTV	
Part No.	Ft.	m	Ft.	m	Ft.	m	Ft.	m	Ft.	m	Ft.	m	
1865A	810	247	760	232	600	183	520	158	420	128	170	52	
8279	910	277	810	247	640	195	550	168	440	134	170	52	
1855A-7787A	1000	305	910	277	750	229	650	198	530	162	210	64	
9209	1030	314	930	283	750	229	650	198	540	165	200	61	
9209A	1030	314	930	283	750	229	650	198	540	165	200	61	
1505A-7794A	1430	436	1320	402	1110	338	960	293	790	241	300	91	
1505F	1200	366	1071	326	857	261	732	223	588	179	225	69	
1506A	1360	415	1200	366	940	286	810	247	670	204	270	82	
9231	1430	436	1270	387	1000	305	850	259	680	207	260	79	
9141	1430	436	1270	387	1000	305	850	259	680	207	260	79	
8281	1430	436	1270	387	1000	305	860	262	700	213	260	79	
8281B	1430	436	1270	387	1000	305	850	259	680	207	250	76	
8281F	1250	381	1100	335	860	262	730	222	590	180	240	73	
88281	1300	396	1150	351	910	277	770	235	600	183	200	61	
1694A-7710A	1760	536	1620	494	1360	415	1180	360	970	296	370	113	
1695A	1670	509	1520	463	1250	381	1080	329	880	268	310	94	
7855A	2220	677	2000	610	1670	509	1460	445	1210	369	470	143	
7731A	2730	832	2460	750	2000	610	1740	530	1430	436	540	165	
7732A	2420	738	2140	652	1690	515	1440	439	1150	351	430	131	

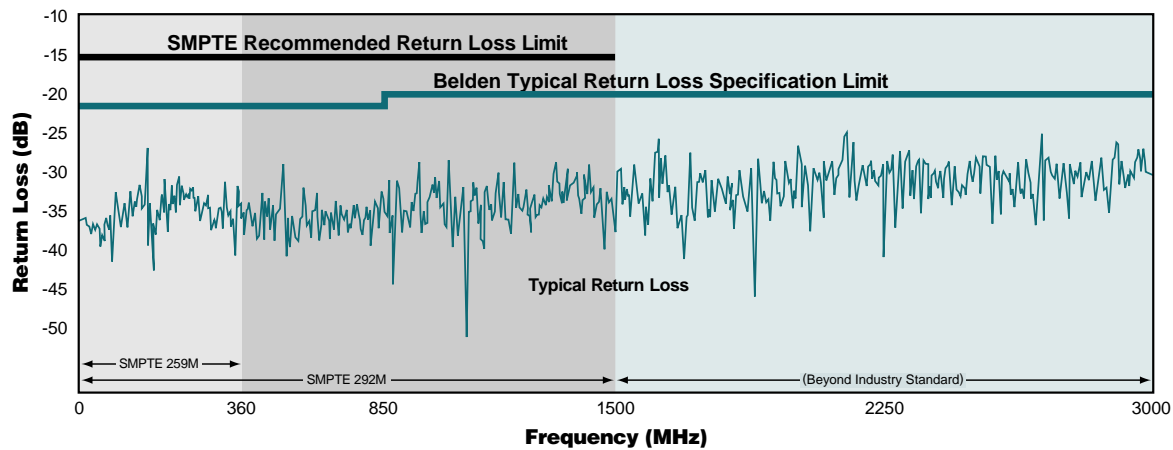
*Values proposed at time of printing.

The serial digital interconnect standards are designed to operate where the signal loss at 1/2 the clock frequency does not exceed the approximate loss values listed below. The maximum length values shown are based on typical attenuation values for the cables listed and the following criteria:

- Maximum length = 30 dB loss at 1/2 the clock frequency: SMPTE 259M, PAL, Widescreen.
- Maximum length = 20 dB loss at 1/2 the clock frequency: SMPTE 292M.

The bit error rate (BER) can vary dramatically as the calculated distances are approached. BER is dependent on receiver design and the losses of the actual coax used. Distribution and routing equipment manufacturers should be contacted to verify their maximum recommended transmission.

Return Loss Headroom (1694A)



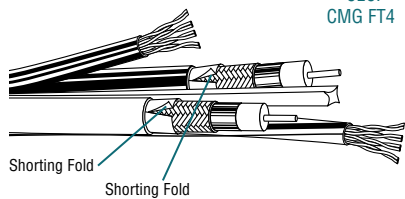
Composite Data, Audio, Video, Security and Control Cable

Banana Peel™ Jacketless Cables

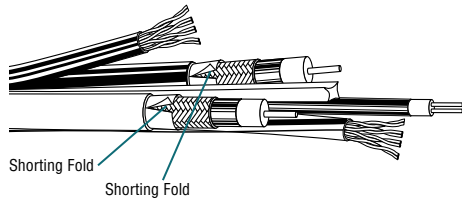
Category 5e Bonded-Pairs

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Overall Nom. OD		Component Descriptions	Shielding Materials & Nom. DCR	Insulation Material & Color Code	Component Jacket Material & Colors	Component Nom. OD	
			Ft.	m	Lbs.	kg	Inch	mm					Inch	mm

Composite • (2) Cat 5e 4-Bonded-Pair UTP 24 AWG • (2) Series 6 Coax w/ Duobond Plus® (Bonded Tri-Shield)

Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • No Overall Jacket														
 <p>Shorting Fold Shorting Fold</p>	7876S new	NEC: 500 CMR: 1000 CEC: CMG FT4	500	152.4	66.0	29.9	.550	13.97	(2) 4-Pair UTP Data Cables: Bonded-Pairs 24 AWG (solid) Bare Copper Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue (1) Green	.200	5.08
		(2) Coax: Series 6 18 AWG (solid) Bare Copper Cond.	Duobond Plus (Bonded Tri-Shield): Duobond® + 80% AL Braid + AL Foil w/ Shorting Fold	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.275	6.99							
Coax sweep tested to 2.25 GHz and jacket sequentially marked. Third party verified to TIA/EIA-568-B.2, Category 5e														

Composite • (2) Cat 5e 4-Bonded-Pair UTP 24 AWG • (2) Series 6 Coax w/ Duobond Plus • (1) 2-Fiber LANLite®

Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • No Overall Jacket														
 <p>Shorting Fold Shorting Fold</p>	7878S new	NEC: 500 CMR OF: 1000 CEC: CMG OF FT4	500	152.4	71.0	32.2	.595	15.11	(2) 4-Pair UTP Data Cables: Bonded-Pairs 24 AWG (solid) Bare Copper Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue (1) Green	.200	5.08
		(2) Coax: Series 6 18 AWG (solid) Bare Copper Cond.	Duobond Plus (Bonded Tri-Shield): Duobond + 80% AL Braid + AL Foil w/ Shorting Fold	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.275	6.99							
Coax sweep tested to 2.25 GHz and jacket sequentially marked. Third party verified to TIA/EIA-568-B.2, Category 5e														
										(1) 2-Fiber LANLite: Gigabit Ethernet 62.5µ/125µ/900µ (core/clad/coating) Tight Buffered	PVC (1) Blue (1) Orange	F-R PVC (1) Orange	.175	4.45

AL = Aluminum • DCR = DC Resistance • FPE = Foam Polyethylene • F-R = Flame-retardant • UTP = Unshielded Twisted Pair
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference: **1-800-BELDEN-1**.
 Request quotations of cables not listed.

Color Codes: Cat 5e UTP

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



Composite Data, Audio, Video, Security and Control Cable

Banana Peel™ Jacketless Cables

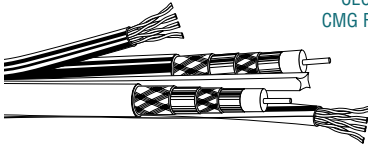
Category 5e

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Overall Nom. OD		Component Descriptions	Shielding Materials & Nom. DCR	Insulation Material & Color Code	Component Jacket Material & Colors	Component Nom. OD	
			Ft.	m	Lbs.	kg	Inch	mm					Inch	mm

Composite • (2) Cat 5e 4-Pair UTP 24 AWG • (2) Series 6 Coax w/ Duobond® IV* Quad Shield

Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • No Overall Jacket

7913S <small>new</small>	NEC:	500	152.4	67.0	30.4	.600	15.24	(2) 4-Pair UTP Data Cables: 24 AWG (solid) Bare Copper Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue (1) Green	.200	5.08
	CEC: CMR OF	1000	304.8	134.0	60.8								
	CEC: CMG FT4							(2) Coax: Series 6 18 AWG (solid) Bare Copper Cond.	Duobond IV Quad Shield: 60% & 40% AL Braids 4.8Ω/M' 15.7Ω/km	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.298	7.57

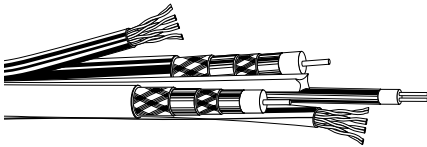


Coax sweep tested to 2.25 GHz and jacket sequentially marked.
Third party verified to TIA/EIA-568-B.2, Category 5e

Composite • (2) Cat 5e 4-Pair UTP 24 AWG • (2) Series 6 Coax w/ Duobond® IV* Quad Shield • (1) 2-Fiber LANLite®

Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • No Overall Jacket

7914S <small>new</small>	NEC:	500	152.4	76.0	34.2	.620	15.75	(2) 4-Pair UTP Data Cables: 24 AWG (solid) Bare Copper Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue (1) Green	.200	5.08
	CEC: CMR OF	1000	304.8	151.0	68.5								
	CEC: CMG OF FT4							(2) Coax: Series 6 18 AWG (solid) Bare Copper Cond.	Duobond IV Quad Shield: 60% & 40% AL Braids 4.8Ω/M' 15.7Ω/km	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.298	7.57
								(1) 2-Fiber LANLite: Gigabit Ethernet 62.5µ/125µ/900µ (core/clad/coating) Tight Buffered	—	PVC (1) Blue (1) Orange	F-R PVC (1) Orange	.175	4.45



Coax sweep tested to 2.25 GHz and jacket sequentially marked.
Third party verified to TIA/EIA-568-B.2, Category 5e

AL = Aluminum • DCR = DC Resistance • FPE = Foam Polyethylene • F-R = Flame-retardant • UTP = Unshielded Twisted Pair

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

* Duobond IV = Duobond II + 60% aluminum braid + Duofoil® + 40% aluminum braid.

Color Codes: Cat 5e UTP

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



Index

Part Numbers

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page		
5321UE	13.9	5502UG	13.7	6122FL	13.39	6347FE	13.25	6545PA	12.26	7409A	15.34	7788A	6.45	7915A	6.33	8134	5.27
	13.41		14.20	6122UL	13.39	6347UE	13.24		12.39	7410A	15.34		12.53		14.12	8134FO	5.14
5322FJ	13.37	5503FE	13.11	6139B8	13.34	6400FC	13.27	6545UE	13.24	7411A	15.34	7789A	6.45	7916A	6.33	8135	5.27
5322FL	13.36	5503UE	13.8	6200FE	13.23		13.46	6546PA	12.26	7411AS	15.34		12.53		14.12	8135FO	5.14
5322FN	13.38	5504FE	13.11		13.45	6400FE	13.22		13.29	7412A	15.34	7790A	6.45	7918A	15.5	8138	5.27
5322UE	13.9	5504G1	13.18	6200UE	13.20		13.45	6547FE	13.25	7413A	15.34		12.53		15.8	8138FO	5.14
5322UL	13.35	5504UE	13.8		13.44	6400UE	13.19	6547UE	13.24	7413AS	15.34	7791A	6.45	7919A	15.5	8142	5.27
5322UN	13.38	5506FE	13.11	6201FE	13.23		13.44	6548PA	12.26	7414A	15.34		12.53		15.8		12.55
5324UL	13.35	5506UE	13.8		13.45	6401FE	13.22	6549PA	12.26	7415A	15.34	7792A	6.45	7921A	15.5	8142FO	5.14
5326UL	13.35	5508FE	13.11	6201UE	13.20		13.45		13.29	7415AS	15.34		12.53		15.6	8148	5.27
5328UL	13.35	5508UE	13.8		13.44	6401GE	13.26	6561FE	13.25	7416A	15.34	7794A	6.45	7923A	15.5	8148FO	5.14
5329UL	13.35	5509UE	13.8	6202FE	13.23		13.44	6561UE	13.24	7416AS	15.34		12.53		15.6	8155	5.27
5339B5	13.31	5520FE	13.11	6202UE	13.20	6402FE	13.22	6562UE	13.24	7417A	15.34	7795A	6.45	7924A	15.5	8155FO	5.14
5339Q5	13.31		13.43	6205UE	13.20	6402UE	13.19	6563UE	13.25	7417AS	15.34		12.53		15.7	8162	5.44
5339W5	13.30	5520UE	13.8	6220FK	13.40	6403UE	13.19	6641FC	13.28	7418A	15.34	7796A	6.45	7928A	15.5	8163	5.44
5341FE	13.15		13.41	6220FL	13.39	6405FE	13.22	6700UP	12.37	7419A	15.34		12.53		15.6	8164	5.44
5341UE	13.14	5521FE	13.11	6220UJ	13.40	6406UE	13.19		13.44	7420A	15.34	7798A	6.45	7949A	14.8	8165	5.44
5342FE	13.15		13.43	6220UL	13.39	6407FE	13.22	7101A	15.30	7421A	15.35		12.53		14.8	8166	5.44
5342UE	13.14	5521G1	13.18	6222FL	13.39	6420FE	13.22	7102A	15.30	7422A	15.35	7803A	6.53	7950A	14.8	8167	5.44
5343FE	13.15	5522FL	13.36	6222UL	13.39		13.45	7105A	15.30	7422AS	15.35		12.60		14.8	8167	5.45
5343UE	13.14	5522G1	13.18	6300FC	13.27	6439C8	13.34	7106A	15.30	7423A	15.35	7804C	12.62	7951A	14.8	8170	5.45
5345FE	13.15	5522UL	13.8		13.46	6439Q8	13.34	7106AS	15.30	7423AS	15.35	7804R	12.62	7952A	14.8	8175	5.45
5345UE	13.14	5524UE	13.8	6300FE	13.23	6441FE	13.25	7107A	15.30	7424A	15.35	7805	6.57	8000	3.27	8178	5.45
5347UE	13.14	5524UL	13.35		13.45	6443FE	13.25	7108A	15.30	7425A	15.35	7805R	6.57	8002	3.27	8185	5.45
5399B5	13.31	5526UE	13.8	6300UE	13.20	6500FC	13.27	7110A	15.30	7426A	15.35	7806A	6.58	8011	3.27	8185	5.45
5400F1	13.13	5526UL	13.35		13.44	6500FE	13.22	7111AS	15.30	7427A	15.35	7806R	6.58	8012	3.27	8205	5.7
5400FE	13.11	5529UE	13.8	6301FE	13.23		13.45	7111A	15.30	7427AS	15.35	7807A	6.58	8013	3.27		12.36
	13.43	5541FE	13.15		13.45	6500UE	13.19	7113A	15.30	7428A	15.35	7807R	6.58	8018	3.27	8208	5.23
5400UE	13.8	5541UE	13.14	6301UE	13.20		13.44	7115A	15.30	7428AS	15.35	7808A	6.59	8019	3.27	8212	6.37
	13.41	5542FE	13.15		13.44	6501FE	13.22	7116A	15.30	7429A	15.35	7808R	6.59	8020	3.27		12.44
5401FE	13.11	5542GE	13.17	6302FC	13.27		13.45	7117A	15.30	7430A	15.35	7808WB	6.59	8021	3.27	8213	6.39
	13.43	5543FE	13.15		13.46	6501GE	13.26	7117AS	15.30	7434A	15.36	7809A	6.60	8022	3.27		12.46
5401GE	13.17	5543PE	13.16	6302FE	13.23		13.45	7118A	15.30	7435A	15.36	7809R	6.60	8023	3.27	8214	6.65
5401UE	13.8	5543UE	13.14	6302UE	13.20	6502FC	13.27	7121AS	15.31	7436A	15.36	7809WB	6.60	8024	3.27	8215	6.38
	13.41	5544UE	13.15		13.46	6502GE	13.26	7122A	15.31	7436AS	15.36	7810A	6.61	8025	3.27		12.45
5402FE	13.11	5545FE	13.15	6303UE	13.20	6502UE	13.19	7122AS	15.31	7438A	15.36	7810R	6.61	8025	3.27	8216	6.63
5402UE	13.17	5547UE	13.14	6304FE	13.23	6504FE	13.22	7125A	15.31	7438AS	15.36	7810WB	6.61	8049	3.25	8218	6.34
5403FE	13.11	5561FE	13.15	6304UE	13.20	6504UE	13.19	7126A	15.31	7439A	15.36	7851A	11.3	8050	3.25		12.40
5403UE	13.8	5562FE	13.15	6306FE	13.23	6506FE	13.22	7127A	15.31	7440A	15.36	7852A	11.3	8051	3.25	8219	6.64
5405FE	13.11	5563FE	13.15	6306UE	13.20	6506UE	13.19	7127AS	15.31	7442A	15.36	7855A	12.52	8052	3.25	8221	6.36
5405UE	13.8	5582UE	13.8	6307FE	13.23	6508FE	13.22	7128A	15.31	7444A	15.36	7876A	14.5	8053	3.25		12.57
5406UE	13.8	5582UG	13.7	6307UE	13.20	6508UE	13.19	7128AS	15.31	7445A	15.36	7876S	14.3	8054	3.25	8232	6.50
5407FE	13.11	5600FE	13.11	6308UE	13.20	6509UE	13.19	7129A	15.31	7447AS	15.37	7877A	14.5	8055	3.25		12.57
5407UE	13.8		13.43	6309FE	13.23	6520FE	13.22	7130A	15.31	7449A	15.37	7878A	14.6	8056	3.25	8232A	6.50
5408UE	13.8	5T00UP	12.37	6320FE	13.23		13.45	7131A	15.31	7450A	15.37	7878S	14.3	8057	3.25		12.57
5408UE	13.8		13.42	6320FK	13.40	6520UE	13.19	7132A	15.31	7450AS	15.37	7880A	12.29	8058	3.25	8233	6.53
5409UE	13.8		14.18	6320UJ	13.40		13.44	7136A	15.31	7453A	15.37	7881A	11.5	8073	3.25		12.60
5421FE	13.43	6000FE	13.23	6320UL	13.39	6521FE	13.22	7136AS	15.31	7500A	15.39	7882A	11.5	8074	3.25	8233A	6.53
			13.45	6321UE	13.20		13.45	7141AS	15.31	7501A	15.39		14.9	8075	3.25		12.60
5439W5	13.30	6000UE	13.21		13.44	6521UE	13.19	7142A	15.31	7502A	15.39	7883A	11.5	8076	3.25	8237	6.65
5441FE	13.15		13.44	6321UL	13.39		13.44	7145A	15.32	7503A	15.39		14.9	8077	3.25		12.46
5442FE	13.15	6001UE	13.21		13.44	6522UE	13.19	7147A	15.32	7504A	15.39	7884A	12.18	8078	3.25	8240	6.64
5445FE	13.15		13.44	6322FL	13.39	6522UL	13.39	7152A	15.32	7700A	12.69	7885A	12.18	8079	3.25		12.42
5500F1	13.13	6002UE	13.21	6322UE	13.20	6524UE	13.19	7158A	15.32		12.69	7886A	12.18	8080	3.25	8241A	6.35
5500FE	13.11		13.45	6322UL	13.39	6539Y8	13.33	7200A	15.38	7710A	6.46	7887A	12.18	8081	3.25		12.42
	13.43	6005	15.91	6324UL	13.39	6541FE	13.25	7201A	15.38		12.54	7888A	12.18	8083	3.25	8241B	6.35
5500UE	13.8	6060	15.91	6326UL	13.39	6541PA	12.26	7202A	15.38	7711A	6.46	7889A	12.18	8085	3.25		14.15
	13.41	6100FE	13.23	6328UL	13.39		13.29	7203A	15.38		12.54	7890A	12.29	8102	5.31	8241F	6.35
5500UG	13.7		13.45	6329Q8	13.34	6541UE	13.24	7205A	15.38	7712A	6.46	7891A	12.29	8103	5.31		12.42
	14.20	6100UE	13.21			6542FE	13.25	7206A	15.38		12.54	7892A	12.29	8105	5.31	8254	6.81
5501FE	13.11		13.45	6341PC	13.29	6542PA	12.26	7400A	15.33	7713A	6.46	7893A	12.29	8106	5.31	8255	6.81
	13.43	6101UE	13.21	6341UE	13.24		13.29	7401A	15.33		12.54	7895A	15.22	8107	5.31	8259	6.64
5501G1	13.18		13.45	6342FE	13.25	6543UE	13.24	7401AS	15.33	7713A	6.46	7896A	15.20	8108	5.31	8261	6.39
5501GE	13.17	6100UE	13.21	6342PC	13.29		13.29	7402A	15.33		12.54	7897A	15.20	8110	5.31		12.46
5501UE	13.8		13.45	6343UE	13.24	6543UE	13.24	7402AS	15.33	7713A	6.46	7900A	15.20	8112	5.31	8262	6.73
	13.41	6101FE	13.23	6343UE	13.24	6543UE	13.24	7403A	15.33		12.54	7910A	14.5		12.55	8263	6.36
5502FE	13.11		13.45	6342UE	13.24	6542UE	13.24	7403AS	15.33	7721A	6.30	7911A	14.7	8115	5.31		12.43
5502G1	13.18	6101UE	13.21	6343FE	13.25	6543FE	13.25	7404A	15.33	7731A	6.44	7912A	14.7	8118	5.31	8267	6.74
5502GE	13.17		13.44	6343PC	13.29	6543PA	12.26	7404AS	15.33		12.52	7913A	14.6	8125	5.31	8268	6.74
5502UE	13.8		13.45	6343UE	13.24		13.29	7405A	15.33	7732A	6.44	7913S	14.4	8132	5.27	8279	6.41
		6102UE	13.21	6345FE	13.25	6543UE	13.24	7406A	15.33		12						