

Satellite Cable (continued)

RG-11/U Type 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
14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond II + Aluminum Braid Shield (60% Coverage)																			
Foam FEP Insulation • Solef PVDF Jacket																			
80°C	7999A	NEC: CATV CM CEC: CM	1000 [▲]	304.8	67.0	30.4	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond II* + 60% Aluminum Braid 4.1Ω/M' 13.4Ω/km	.400	10.16	75	83%	16.2	53.2	1	.2	.7
																	10	.5	1.6
																	50	.9	3.0
																	100	1.3	4.3
																	200	1.9	6.2
																	400	2.8	9.2
																	700	3.9	12.8
																	900	4.7	15.4
																	1000	5.0	16.4
																	1450	6.7	22.0
																	1800	7.7	25.3
																	2250	8.5	27.9
																	3000	9.9	32.5

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

RF Cable

Belden is the industry leader in high-end RF products that are used in the interconnect of a variety of signal processing equipment in the Headend. These cables feature the following shields: Duobond II (Fold/Braid), Duobond IV (Quad Shield) and the superior Duobond Plus® (Foil/Braid/Foil). There are also many variations of bundled and multi-coax Banana Peel® designs (available by special request) to suit any application. Most RF products are available in 12 colors.

RG-59/U Type Coax

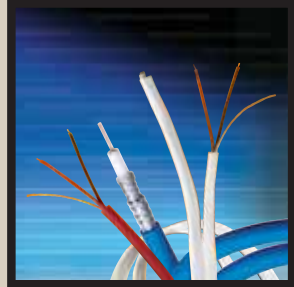
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
20 AWG Solid .032" Silver-plated, Copper-covered Steel Conductor • Duobond Plus® + Aluminum Braid Shield (95% Coverage)																			
Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in 13 colors)*																			
80°C	9167	NEC: CATVR CMR CEC: CMG FT4	1000	304.8	24.0	10.9	20 AWG (solid) .032" SPCCS 25.8Ω/M' 84.6Ω/km	.144	3.66	Duobond Plus* + 95% Aluminum Braid 4.5Ω/M' 14.8Ω/km	.242	6.15	75	83%	16.2	53.2	1	.75	2.46
																	55	1.84	6.04
																	211	3.36	11.02
																	216	3.41	11.19
																	240	3.57	11.71
																	270	3.79	12.43
																	300	3.99	13.09
																	325	4.16	13.65
																	350	4.33	14.21
																	375	4.49	14.73
																	400	4.66	15.29
																	450	4.96	16.27
																	500	5.22	17.13
																	550	5.48	17.98
																	600	5.75	18.86
																	650	6.03	19.78
																	700	6.28	20.60
																	750	6.51	21.36
																	800	6.71	22.01
																	862	6.97	22.87
																	870	7.00	22.97
																	900	7.14	23.42
																	1000	7.68	25.20

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

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • PVDF = Polyvinylidene Fluoride • SPCCS = Silver-plated, Copper-covered steel

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

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



RF Cable (continued)

RG-59/U Type 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 Solid .032" Silver-plated, Copper-covered Steel Conductor • Bonded Duofoil + 2 Aluminum Braid Shields (95% Coverage) + Duobond Plus Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in 13 colors)*	V100177	— —	1000	304.8	39.0	17.17	20 AWG .032" SPCCS 25.8Ω/M' 84.6Ω/km	.144	3.66	Bonded Duofoil + 95% + 95% Aluminum Braid + Duobond Plus 6.6Ω/M' 21.1Ω/km	.270	6.86	75	83%	16.2	53.2	5	.75	2.46
100% Sweep tested. 5 MHz to 1 GHz.																			
55 1.84 6.04																			
211 3.36 11.02																			
216 3.41 11.19																			
240 3.57 11.71																			
270 3.79 12.43																			
300 3.99 13.09																			
325 4.16 13.65																			
350 4.33 14.21																			
375 4.49 14.73																			
400 4.66 15.29																			
450 4.96 16.27																			
500 5.22 17.13																			
550 5.48 17.98																			
600 5.75 18.86																			
650 6.03 19.78																			
700 6.28 20.60																			
750 6.51 21.36																			
800 6.71 22.01																			
862 6.97 22.87																			
870 7.00 22.97																			
900 7.14 23.42																			
1000 7.68 25.20																			

*Available in Black, White, Pink, Tan, Green, Gray, Brown, Red, Orange, Yellow, Aqua, Blue or Violet

Mini RG-59/U Type Coax • 3.0 GHz Sweep Test, Guaranteed Return Loss Specs

Gas-injected Foam HDPE Insulation • Overall PVC Jacket (See available colors)																		
YR46940	NEC:	250 [▲]	76.2	4.5	2.0	23 AWG	.102	2.59	Duobond® II	.159	4.03	75	83%	16.3	53.5	5	.9	3.0
	CMR	U-500 [▲]	U-152.4	9.0	4.1	(solid)			+ 95%							42	2.3	7.5
	CEC:	1000	304.8	17.0	7.7	.023"			TC Braid							55	2.6	8.5
	CMG FT4					BC			7.6Ω/M'							65	2.8	9.2
						20.1Ω/M'			24.9Ω/km							70	3.0	9.8
						65.9Ω/km										211	4.7	15.4
																216	4.8	15.8
																240	5.1	16.7
																270	5.4	17.7
																300	5.7	18.6
																325	5.9	19.4
																350	6.1	20.0
																375	6.3	20.8
																400	6.6	21.5
																450	7.0	22.9
																500	7.4	24.2
																550	7.8	25.6
																600	8.3	27.3
																650	8.8	28.9
																700	9.3	30.4
																750	9.6	31.5
																800	9.8	32.1
																862	10.0	32.8
																870	10.1	33.1
																900	10.2	33.5
																950	10.3	33.8
																1000	10.5	34.4
																1500	13.0	42.6
																2250	16.0	52.5
																3000	18.5	60.7


Meets ANSI/SCTE 117 2006

[▲]250 ft. and U-500 ft. put-ups available in Black only.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • SPCCS = Silver-plated, Copper-covered steel • TC = Tinned Copper

RF Cable (continued)

RG-59/U Type Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Coax	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							
Bundled RG-59/U Type Coax • 3.0 GHz Sweep Test, Guaranteed Return Loss Specs, Coax Identification: Numbered																											
Gas-injected Foam HDPE Insulation • Overall PVC Jacket (See available colors)																											
	YR48335 NEC: CMR CEC: CMG FT4	4	500	152.4	55.5	25.2	23 AWG (solid)	.102	2.59	Duobond II* + 95% TC Braid 7.6Ω/M' 24.9Ω/km	.481	12.22	75	83%	16.3	53.5	5	.9	3.0								
			1000	304.8	109.0	49.5		Coax OD:	.159		4.03	42					2.3	7.5									
																		Inner jackets numbered.									
																		Available in four outer and inner jacket colors:									
																		55	2.6	8.5							
																		65	2.8	9.2							
																		70	3.0	9.8							
																		211	4.7	15.4							
																		216	4.8	15.8							
																		240	5.1	16.7							
Meets ANSI/SCTE 117 2006																											
	YR47193 NEC: CMR CEC: CMG FT4	8	500	152.4	107.0	48.6	same	same	same	.638	16.21	75	83%	16.3	53.5	300	5.7	18.6									
			1000	304.8	214.0	97.2	as	as	as	325	5.9					19.4											
																		Inner jackets numbered.									
																		Available in twelve outer and inner jacket colors:									
																		375	6.3	20.8							
																		400	6.6	21.5							
																		450	7.0	22.9							
																		500	7.4	24.2							
																		550	7.8	25.6							
																		600	8.3	27.3							
Meets ANSI/SCTE 117 2006																											
	YR47172 NEC: CMR CEC: CMG FT4	10	1000	304.8	319.0	145.0	same	same	same	.796	20.22	75	83%	16.3	53.5	750	9.6	31.5									
																		800	9.8	32.1							
																		Inner jackets numbered.									
																		Available in six outer and inner jacket colors:									
																		862	10.0	32.8							
																		870	10.1	33.1							
																		900	10.2	33.5							
																		950	10.3	33.8							
																		1000	10.5	34.4							
																		1500	13.0	42.6							
Meets ANSI/SCTE 117 2006																											
	YR48336 NEC: CMR CEC: CMG FT4	12	500	152.4	171.5	78.0	same	same	same	.825	20.96	75	83%	16.3	53.5	2250	16.0	52.5									
			1000	304.8	353.0	160.3	as	as	as	3000	18.5					60.7											
																		Inner jackets numbered.									
																		Available in five outer and inner jacket colors:									
																		Matte Black	Matte Red								
																		Matte Yellow	Matte Blue								
																		Red									
			Meets ANSI/SCTE 117 2006																								
				YR48327 NEC: CMR CEC: CMG FT4	16	1000	304.8	464.0	210.7	same	same					same	.916	23.27	75	83%	16.3	53.5	Inner jackets numbered.				
																							Available in six outer and inner jacket colors:				
															Matte Black	Matte Yellow											
															Matte Brown	Matte Blue											
															Matte Red	Red											

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

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





RF Cable (continued)

RG-59/U Type Coax

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

Bundled RG-59/U Type Coax • 3.0 GHz Sweep Test, Guaranteed Return Loss Specs, Coax Identification: **Numbered**

Gas-injected Foam HDPE Insulation • Overall PVC Jacket (See available colors)																						
		YR46941 NEC: CMR CEC: CMG FT4	3	500	152.4	46.5	21.1	23 AWG (solid) .023" BC 20.1Ω/M' 65.9Ω/km	.102	2.59	Duobond II + 95% TC Braid 7.6Ω/M' 24.9Ω/km	.440	11.18	75	83%	16.3	53.5	5	.9	3.0		
				1000	304.8	93.0	42.3											Coax OD: .159	4.03	42	2.3	7.5
																				55	2.6	8.5
																				65	2.8	9.2
																				70	3.0	9.8
																				211	4.8	15.6
																				216	4.8	15.8
																				240	5.1	16.7
																				270	5.4	17.7
																				300	5.7	18.6
YR46942 NEC: CMR CEC: CMG FT4		3	5	500	152.4	74.0	33.6	same	same	same	.539	13.69	75	83%	16.3	53.5	325	5.9	19.4			
				1000	304.8	147.0	73.5	as above	as above	as above							350	6.1	20.0			
										375							6.3	20.8				
										400							6.6	21.5				
										450							7.0	22.9				
										500							7.4	24.2				
										550							7.8	25.6				
										600							8.3	27.3				
										650							8.8	28.9				
										700							9.3	30.4				
YR46943 NEC: CMR CEC: CMG FT4		3	10	500	152.4	162.0	73.6	same	same	same	.796	20.22	75	83%	16.3	53.5	750	9.6	31.5			
				1000	304.8	323.0	146.6	as above	as above	as above							800	9.8	32.1			
										862							10.0	32.8				
										870							10.1	33.1				
										900							10.2	33.5				
										950							10.3	33.8				
										1000							10.5	34.4				
										1500							13.0	42.6				
										2250							16.0	52.5				
										3000							18.5	60.7				

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

See Connector Reference Guide at www.belden.com for connector recommendations.

Compatible
White Sands Connectors

Description	F Crimp (Cisco)	MCX	F Compression (Non Cisco)
Connector	ASFP	MCXFP	ASFP/SLC
Crimper	ACT-270	C47-10120	CT-21R
Stripper	CPT-7538	CPT-7538-125	CPT-7538-125
Header Block	—	MCXHEADERBK	—
MCX Removal Tool	—	REMT00L	—

Color Code Chart:
YR46941, YR46942 and YR46943

Cond.	Color	Cond.	Color
1	Red	6	Brown
2	Green	7	Orange
3	Blue	8	Gray
4	White	9	Violet
5	Yellow	10	Black

SDI Cable

Belden SDI cables are the Broadcast industry's standard. They are made with either solid copper conductors or highly stranded and compacted bare copper conductors with either highly crush resistant gas injected foam polyethylene or foam FEP insulations. Shields are either 100% coverage foil (Duofoil®) or 95% coverage tinned copper braid. Belden leads the industry with 3 GHz sweep testing, but is now testing to 4.5 GHz. All cables meet SMPTE 292M for HDTV transmissions, SMPTE 34M for widescreens and ITU-R-BT.601 for PAL transmission standards in the international community. These cables are available in both low temp and high temp jackets.

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

20 AWG Solid .032" Bare Copper • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)

SDI/HDTV	1505A	NEC:	500 [▲]	152.4	17.0	8.0	20 AWG	.145	3.68	Duofoil	.233	5.92	75	83%	16.3	53.5	1	.3	1.0	
Digital Video		CMR	1000 ^{▲▲}	304.8	35.0	16.4	(solid)			+ 95%							3.6	.6	2.0	
75°C		CEC:	5000 ^{▲▲▲}	1524.0	165.0	74.8	.032"			TC Braid								5	.6	2.1
		CMG FT4					BC			3.8Ω/M'								7	.7	2.4
							10.0Ω/M'			12.5Ω/km								10	.9	3.0
							32.8Ω/km											67.5	2.1	6.7
																		71.5	2.1	6.9
																		88.5	2.2	7.2
																		100	2.3	7.6
																		135	2.7	8.9
																		143	2.8	9.2
																		180	3.1	10.2
																		270	3.8	12.5
																		360	4.4	14.4
																		540	5.5	18.0
																		720	6.4	21.0
																		750	6.5	21.3
																		1000	7.6	24.9
																		1500	9.3	30.5
																		2000	10.9	35.8
																		2250	11.6	38.1
																		3000	13.4	44.0
																		4500	16.4	53.8

▲ 500 ft. put-up available in Black, Red or Blue only.

▲▲ 5000 ft. put-up may vary -0% to 10%.

▲▲▲ 1000 ft. and 5000 ft. put-ups available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor[†] • TC Double Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White, Purple or Orange)

High-Flex	1505F	NEC:	1000	304.8	45.0	20.4	22 AWG	.145	3.68	TC Double	.242	6.15	75	80%	17.0	55.8	1	.2	.7	
SDI/HDTV		CM					(7x29)			Braid							3.6	.5	1.6	
Video Patch		CEC:					.031"			94% Shield								5	.6	2.0
75°C		CM					BCC			Coverage								7	.7	2.4
							12.2Ω/M'			2.4Ω/M'								10	.9	3.0
							40.0Ω/km			7.8Ω/km								67.5	2.4	7.9
																		71.5	2.5	8.2
																		88.5	2.8	9.2
																		100	3.0	9.8
																		135	3.5	11.5
																		143	3.6	11.8
																		180	4.1	13.5
																		270	5.1	16.7
																		360	6.0	19.7
																		540	7.4	24.3
																		720	8.7	28.5
																		750	8.9	29.2
																		1000	10.5	34.5
																		1500	13.3	43.6
																		2000	15.7	51.5
																		2250	16.9	55.4
																		3000	20.3	66.6

[†]Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

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

Suitable for Outdoor and Direct Burial applications.



SDI Cable (continued)

RG-59/U Type and Double Braided RG-59/U Type 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 Solid .032" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Plenum • Foam FEP 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	16.0 31.0	7.3 14.1	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	4.93	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 24.0 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: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural.

RG-6/U Type Coax

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	22.5 45.0 202.5	10.2 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	53.2	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000 4500	.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 13.3	.8 1.5 2.4 5.3 6.9 9.7 11.3 13.9 16.1 16.4 19.3 24.0 30.0 35.0 43.6
															100% Sweep tested. 5 MHz to 3 GHz.				

▲ 500 ft. put-up available in Black only

▲▲ 1000 ft. put-up available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

▲▲▲ 4500 ft. put-up available in Brown, Red, Blue, Violet, Gray, Black and Green.

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

† Compacted conductor combines impedance uniformity of solid conductor and "nick-resistance" of stranded conductor.