

Video/RF Cable


Broadband CATV and DBS Coaxial Cables

Series 6 (RG-6/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


Series 6 • 18 AWG Solid .040" Bare Copper Conductor • Duobond® + Aluminum Braid(s) Shield

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or White)

 <p>Shorting Fold</p>	80°C	7915A	NEC: U-500	U-152.4	16.5	7.5	18 AWG (solid)	.180	4.57	Duobond Plus [®] +	.275	6.99	75	83%	16.2	53.2	5	.5	1.6	
			CATV CM	500	152.4	18.0	8.2											55	1.4	4.6
			CEC: U-1000	U-304.8	31.0	14.1	.040"			77% & 80%								211	2.6	8.5
			CM	1000	304.8	31.0	14.1	BC		Aluminum Braid								500	4.1	13.5
								6.4Ω/M'		15.1Ω/km								750	5.1	16.7

Sweep tested 5 MHz to 3.0 GHz.

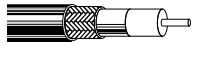
Shielding effectiveness is 125dB @ 1GHz.

	80°C	7916A	NEC: U-500	U-152.4	18.5	8.4	18 AWG (solid)	.180	4.57	Duobond IV*	.298	7.57	75	83%	16.2	53.2	5	.5	1.6	
			CATV CM	500	152.4	19.5	8.9			+								55	1.4	4.6
			CEC: U-1000	U-304.8	35.0	15.9	.040"			60% & 40%								211	2.6	8.5
			CM	1000	304.8	35.0	15.9	BC		Aluminum Braids								500	4.1	13.5
								6.4Ω/M'		15.7Ω/km								750	5.1	16.7

Sweep tested 5 MHz to 3.0 GHz.

Shielding effectiveness is 125dB @ 1GHz.

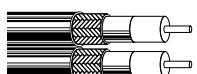
Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black, Gray or White)

	80°C	1829AC	NEC: U-1000 [†]	U-304.8	29.0	13.2	18 AWG (solid)	.180	4.57	Duobond II + 60%	.270	6.86	75	83%	16.2	53.2	5	.5	1.6	
			CATV CM	1000 ^{††}	304.8	30.0	13.6			Aluminum Braid								55	1.4	4.6
			CEC: U-1000	U-304.8	31.0	14.1	.040"			9.0Ω/M'								211	2.6	8.5
			CM					BC		29.5Ω/km								500	4.1	13.5
								6.4Ω/M'		21.0Ω/km								750	5.1	16.7


Sweep tested 950 MHz to 2.25 GHz.

[†]U-1000 ft. put-up not available in White.

^{††}1000 ft. put-up not available in Gray.

	80°C	1841AC	NEC: U-500	U-152.4	33.5	15.2	18 AWG (solid)	.180	4.57	Duobond II + 60%	.273	6.93	75	83%	16.2	53.2	5	.5	1.6	
			CATV CM							x x								55	1.4	4.6
			CEC: U-500					.040"		Aluminum Braid	.595	15.11						211	2.6	8.5
			CM					BC		9.0Ω/M'								500	4.1	13.5
								6.4Ω/M'		29.5Ω/km								750	5.1	16.7

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

	80°C	7916AP <small>new</small>	NEC: U-1000	U-304.8	32.0	14.5	18 AWG (solid)	.170	4.32	Duobond IV* + 60% & 40%	.248	6.30	75	83%	16.3	53.5	1	.3	1.0	
			CATV CMP	1000	304.8	31.0	14.1			Aluminum Braids								10	.7	2.2
			CEC: U-1000					.040"		4.8Ω/M'								50	1.6	5.3
			CMP FT6					BC		15.7Ω/km								100	2.2	7.2
								6.4Ω/M'		21.0Ω/km								200	3.0	9.8

Sweep tested 5 MHz to 3 GHz.

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

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. For additional selection of Belden® Video Cables, refer to the Coaxial and Broadcast Cables sections of this catalog.

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

Video/RF Cable

Broadband CATV Coaxial Cables

Series 6 (RG-6/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

Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® II* + Aluminum Braid Shield (60% Coverage)

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black, White or White Neutral)

80°C	9116	NEC: CATV CM CEC: CM	U-1000 [▲] 1000	U-304.8 304.8	30.0 31.0	13.6 14.1	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum Braid	.270	6.86	75	83%	16.2	53.2	See Chart on page 6.92		
							28.0Ω/M' 91.9Ω/km			9.0Ω/M' 29.5Ω/km									

▲U-1000 ft. put-up also available in Beige.

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black, White, Gray or Neutral)

80°C	1829A	NEC: CATV CM CEC: CM	U-1000 1000	U-304.8 304.8	29.0 29.0	13.2 13.2	18 AWG (solid) .040"	.180	4.57	Duobond II + 60% Aluminum Braid	.270	6.86	75	83%	16.2	53.2	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8 11.3	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2 37.1
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80°C	1829R <small>new</small>	NEC: CATVR, CMR CEC: CMG FT4	U-1000* 1000	U-304.8 304.8	29.0 29.0	13.2 13.2	18 AWG (solid) .040"	.180	4.57	Duobond II + 60% Aluminum Braid	.270	6.86	75	83%	16.2	53.2	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8 11.3	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2 37.1
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*U-1000 ft. put-up not available in Neutral.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	1829P <small>new</small>	NEC: CATVP, CMP CEC: CMP FT6	U-1000 1000	U-304.8 304.8	27.0 27.0	12.3 12.3	18 AWG (solid) .040"	.170	4.32	Duobond II + 60% Aluminum Braid	.235	5.97	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000 1450 1800 2250 3000	.3 .7 1.5 2.1 3.0 4.4 6.1 7.2 7.6 9.6 11.0 12.7 15.1	1.0 2.2 4.9 6.9 9.8 14.4 20.0 23.6 24.9 31.5 36.1 41.7 49.5
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Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® IV* Quad Shield (60% and 40% Coverage)

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or White)

80°C	1189A	NEC: CATV CM CEC: CM	U-500 1000	U-152.4 304.8	18.0 35.0	8.2 15.9	18 AWG (solid) .040"	.180	4.57	Duobond IV 60% & 40% Aluminum Braids	.298	7.57	75	83%	16.2	53.2	See Chart on page 6.88		
							28.0Ω/M' 91.9Ω/km			4.8Ω/M' 15.7Ω/km									

▼1000 ft. put-up also available in Beige or Neutral.

Plenum • Foam FEP Insulation • Natural Flamarrest Jacket

75°C	1189AP	NEC: CATVP CMP CEC: CMP FT6	1000 [†] 1000	304.8 304.8	32.0 32.0	14.5 14.5	18 AWG (solid) .040"	.170	4.32	Duobond IV 60% & 40% Aluminum Braids	.248	6.30	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.2 5.2 7.2 9.8 15.1 21.7 25.3 26.9
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BCCS = Bare Copper-covered Steel • DCR = DC Resistance

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

* Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (60% coverage).

For additional selection of Belden® Video Cables, refer to the Coaxial and Broadcast Cables sections of this catalog.

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

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



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

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

Video Cable

Precision Video Cables for Analog and Digital Applications RG-6/U and RG-59/U Types

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 Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

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

SDI/HDTV	1694A	NEC:	500 [▲]	152.4	20.5	9.3	18 AWG	.180	4.57	Duofoil + 95%	.274	6.96	75	82%	16.2	53.2	1	.2	.8
Digital Video		CMR	1000	304.8	45.0	20.5	(solid)			TC Braid							3.6	.5	1.5
75°C		CEC:	4500	1371.6	202.5	91.9	.040"			2.8Ω/M'							10	.7	2.4
		CMG FT4					BC			9.2Ω/km							71.5	1.6	5.2
							6.4Ω/M'										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
																	4500	13.3	43.6

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

*Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White. Black jacket suitable for Outdoor and Aerial applications.

Plenum • Foam FEP Teflon® Insulation • Flamarest® Jacket (Available in 10 colors)**

SDI/HDTV	1695A	NEC:	500 [▲]	152.4	20.5	9.3	18 AWG	.170	4.32	Duofoil + 95%	.234	5.94	75	82%	16.2	53.2	1	.2	.8
Digital Video		CMR	1000 [†]	304.8	45.0	20.5	(solid)			TC Braid							3.6	.5	1.5
75°C		CEC:					.040"			2.8Ω/M'							10	.8	2.5
		CMG FT6					BC			9.2Ω/km							71.5	1.8	5.8
							6.4Ω/M'										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	6.2	20.3
																	1000	7.3	24.0
																	1500	9.2	30.2
																	2250	11.6	38.0
																	3000	13.7	44.9

▲500 ft. put-up available in Black or Natural only.

**Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural. Black jacket suitable for Outdoor and Aerial applications.

Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket (Color Code: See chart below)

SDI/HDTV	7713A	NEC:	500	152.4	463.0	210.0	18 AWG	.180	4.57	Duofoil + 95%	1.386	35.20	75	82%	16.2	53.2	1	.2	.8
Digital Video		CMR	1000	304.8	904.0	410.4	(solid)			TC Braid							3.6	.5	1.5
75°C		CEC:					.040"			3.0Ω/M'							10	.7	2.4
		CMG FT4					BC			9.8Ω/km							71.5	1.6	5.2
							6.4Ω/M'										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
																	2500	9.1	31.8
																	3000	10.7	35.0

RG-59/U Type • 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	1505A	NEC:	500 [▼]	152.4	15.5	7.0	20 AWG	.145	3.68	Duofoil + 95%	.233	5.92	75	83%	16.3	53.5	1	.3	1.0
Digital Video		CMR	1000 [*]	304.8	35.0	15.9	(solid)			TC Braid							3.6	.6	1.8
75°C		CEC:	5000 [*]	1524.0	165.0	74.9	.032"			3.8Ω/M'							10	.9	2.9
		CMG FT4					BC			12.5Ω/km							71.5	2.1	6.9
							10.0Ω/M'										135	2.7	8.9
							32.8Ω/km										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
																	2250	11.6	38.0
																	3000	13.4	44.0
																	4500	16.4	53.8

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

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

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. For additional selection of Belden® Video Cables, refer to the Coaxial and Broadcast Cables sections of this catalog.

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

Teflon is a DuPont trademark.

Color Code Chart

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




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

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr


Video Cable

Precision Video Cables for Analog and Digital Applications
Subminiature and Standard Analog RG-59/U Types

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	
Subminiature RG-59/U Type • 23 AWG Solid .023" Bare Copper Conductor • Duofoil® (100% Coverage) + TC Braid Shield (95% Coverage)																				
Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																				
SDI/HDTV	1855A	NEC:	500 [▲]	152.4	9.0	4.1	23 AWG	.102	2.59	Duofoil	.159	4.03	75	82%	16.3	53.5	1	.4	1.3	
Digital Video		CMR	1000	304.8	16.0	7.3	(solid)			+ 95%								3.6	.8	2.6
75°C		CEC:					.023"			TC Braid								10	1.2	3.9
		CMG FT4					BC			7.6Ω/M'								71.5	3.1	10.0
							20.1Ω/M'			24.9Ω/km								135	3.8	12.5
							65.9Ω/km											270	5.4	17.7
																		360	6.2	20.3
																		540	7.7	25.3
																		720	9.5	31.1
																		750	9.6	31.5
																	1000	10.5	34.4	
																	1500	13.0	42.6	
																	2250	16.0	52.5	
																	3000	18.5	60.7	
																	4500	22.8	74.8	

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

Standard Analog • RG-59/U Type • 23 AWG Solid .023" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black PVC Jacket																				
UL AWM	8241B	NEC:	U-1000	U-304.8	36.0	16.3	23 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.4	1.3	
Style 1354		CM	1000	304.8	37.0	16.8	(solid)			95% Shield								10	1.1	3.6
(30V 80°C)		CEC:					.023"			Coverage								50	2.4	7.9
		CM					BC			2.9Ω/M'								100	3.4	11.2
							20.4Ω/M'			9.5Ω/km								200	4.9	16.1
							66.9Ω/km											400	7.0	23.0
																		700	9.7	31.8
																		900	11.1	36.4
																		1000	12.0	39.4

Suitable for Outdoor 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. For additional selection of Belden® Video Cables, refer to the Coaxial and Broadcast Cables sections of this catalog.

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


Video Cable

Bundled RGB Precision Video Cable and
Miniature Hi-Res Component Video Cables

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

25 AWG Solid .018" Tinned Copper Conductors • Duobond® + Tinned Copper Interlocked Serve Shield (95% Coverage)


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

	300V RMS 60°C	1277R <small>new</small>	NEC: CMR CEC: CMG	3	500 [†] 1000 [†]	152.4 304.8	25.5 48.0	11.6 21.8	25 AWG (solid) .018"	.074 Coax OD: .114	1.88 + 95% 2.90	Duobond + 95% TC Braid	.320 8.13	75	80%	17.0 55.8	1 5 50 100 200 400 750 900 1000	.5 1.2 3.7 4.9 6.7 9.5 13.4 15.0 15.8	1.7 3.8 12.1 16.1 22.0 31.2 44.0 49.2 51.8	
									34.0Ω/M' 111.6Ω/km			5.4Ω/M' 17.7Ω/km					200 400 750 900 1000	6.7 9.5 13.4 15.0 15.8	22.0 31.2 44.0 49.2 51.8	
		1278R <small>new</small>	NEC: CMR CEC: CMG	4	500 [†] 1000 [†]	152.4 304.8	31.5 60.0	14.3 27.2	same as above	.074 Coax OD: .114	1.88 as above	same as above	.351 8.92				3000	31.2	102.4	
		1279R <small>new</small>	NEC: CMR CEC: CMG	5	250 [†] 500 [†] 1000 [†]	76.2 152.4 304.8	21.8 40.5 80.0	9.9 18.4 36.3	same as above	.074 Coax OD: .114	1.88 as above	same as above	.403 10.24							
		1280R <small>new</small>	NEC: CMR CEC: CMG	6	500 [†] 1000 [†]	152.4 304.8	44.0 87.0	20.0 39.5	same as above	.074 Coax OD: .114	1.88 as above	same as above	.423 10.74							

100% Sweep tested. 5 MHz to 850 MHz.

Miniature • 25 AWG Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Braid Shield (95% Coverage)

Plenum • FPFA Insulation • Black Flamarrest® Jacket

		1282P <small>new</small>	NEC: CMP CEC: CMP FT6	1	1000	304.8	10.0	4.5	25 AWG (solid) .018" TC	.074 Coax OD: .114	1.88 + 95% 2.90	Duobond (100%) + TC Braid	.114 2.90	75	81%	17.0 55.2	1 5 50 100 200 400 700 900 1000 3000	.4 .9 3.7 5.0 7.0 10.0 14.5 17.0 17.5 37.0	1.3 3.0 12.1 16.4 23.0 32.8 47.6 55.8 57.4 121.4		
									31.8Ω/M' 104.3Ω/km			5.8Ω/M' 19.0Ω/km					200 400 700 900 1000	7.0 10.0 14.5 17.0 17.5	23.0 32.8 47.6 55.8 57.4		

Sweep Tested 5 MHz to 850 MHz.
Guaranteed Return Loss -20dB Max.

BC = Bare Copper • DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • 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.