

# Broadband Coax


## CATV Cables Series 6

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 • Polyethylene Jacket (Black or Orange)

80°C	<b>9066</b>	—	1000	304.8	26.0	11.8	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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CoreGuard®

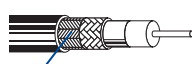
#### Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	<b>9116</b>	NEC: CATV CM CEC: CM	U-500▲ 500▲ S-700 U-1000♦ 1000▼	U-152.4 U-152.4 U-213.4 U-304.8 U-304.8	15.0 16.0 18.2 30.0 31.0	6.8 7.3 8.3 13.6 14.1	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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\*500 ft. and U-500 ft. put-ups also available in White.  
 ♦U-1000 ft. put-up also available in White, Neutral or Beige.  
 ▼1000 ft. put-up also available in White or Neutral.

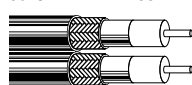
80°C	<b>9116R</b>	NEC: CATVR CMG CEC: CMG FT4	U-1000 1000	U-304.8 304.8	33.0 34.0	15.0 15.4	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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80°C	<b>1545A</b>	NEC: CATV CM CEC: CM	1000	304.8	31.0	14.1	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92  Sweep tested 5 MHz to 1 GHz.		
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CoreGuard®

80°C	<b>9077</b>	NEC: CATV CM CEC: CM	1000	304.8	64.0	29.1	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270 x .590	6.86 x 14.99	75	83%	16.2	53.1	See Chart on page 6.92  Sweep tested 5 MHz to 1 GHz.		
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80°C	<b>9117M</b>	—	1000	304.8	44.0	20.0	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270 x .410	6.86 x 10.41	75	83%	16.2	53.1	See Chart on page 6.92		
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.051" (1.3mm) galvanized steel messenger.

80°C	<b>1258AM</b>	—	1000	304.8	42.0	19.1	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270 x .410	6.86 x 10.41	75	83%	16.2	53.1	See Chart on page 6.92  Sweep tested 5 MHz to 1 GHz.		
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CoreGuard®

.051" (1.3mm) galvanized steel messenger.

#### Gas-injected Foam Polyethylene Insulation • Black Low-Smoke, Zero-Halogen Jacket

75°C	<b>9116SB</b> LSZH and ABS Type Approved <b>new</b>	NEC: CMG-LS CEC: CMG-LS FT4 Limited Smoke	1000	304.8	31.0	14.1	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.274	6.96	75	83%	16.2	53.1	See Chart on page 6.92  Sweep tested 5 MHz to 3 GHz.		
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#### Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	<b>9116P</b>	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" 28.0Ω/M' 91.9Ω/km	.170	4.32	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.235	5.97	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 5.3 7.2 9.8 15.1 21.7 25.3 26.9
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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).



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**

# DBS Cable

## Series 6

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 or Bare Copper-covered Steel Conductor (see below) • Duobond® II + AL Braid Shield (60% Coverage) (cont'd)

### Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	<b>1839A</b>	—	1000	304.8	40.0	18.1	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.270 x .405	6.86 x 10.29	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2
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.045" (1.14mm) copper-covered steel, static ground.

80°C	<b>1840A</b>	—	500 1000	152.4 304.8	37.5 74.0	17.0 33.6	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.273 x .703	6.93 x 17.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2
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.045" (1.14mm) copper-covered steel static ground.

80°C	<b>1841A</b>	NEC: CATV CM CEC: CM	1000	304.8	66.0	30.0	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.273 x .595	6.93 x 15.11	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2
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### Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black, Gray or White)

80°C	<b>1839AC</b>	—	1000 <sup>▲</sup>	304.8	44.0	20.0	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.270 x .405	6.86 x 10.29	75	83%	16.2	53.1	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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<sup>▲</sup>1000 ft. put-up not available in White.  
.045" (1.14mm) copper-covered steel static ground.

80°C	<b>1840AC</b>	—	500	152.4	38.0	17.2	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.273 x .703	6.93 x 17.86	75	83%	16.2	53.1	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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.045" (1.14mm) copper-covered steel static ground.

80°C	<b>1841AC</b>	NEC: CATV CM CEC: CM	500	152.4	32.5	14.7	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.273 x .595	6.93 x 15.11	75	83%	16.2	53.1	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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AL = Aluminum • BC = Bare Copper • BCAC = Bare Copper Anti-corrosion • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

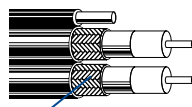
\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

**DBS Cable**

## Series 6

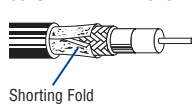
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.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

 CoreGuard®	Burial 80°C	1843A	—	1000	304.8	64.0	29.1	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.273	6.93	75	83%	16.2	53.1	5	.5	1.6
																		55	1.4	4.6
																		211	2.6	8.5
																		500	4.1	13.5
																		750	5.1	16.7
																		862	5.5	18.0
																		1000	6.0	19.7
																		1450	7.8	25.6
																		1800	8.6	28.2
																		2250	9.8	32.2

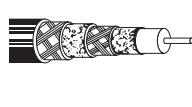
.045" (1.14mm) copper-covered steel static ground.  
Suitable for Outdoor and Direct Burial applications.

**HDTV Series 6 • 18 AWG Solid .040" Bare Copper Conductor • Duobond + Aluminum Braid Shields (77% and 80% Coverage)****Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black or White)**

 Shorting Fold	80°C	7915A	NEC: CATV CM CEC: CM	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	16.5 18.0 32.0 32.0	7.5 8.2 14.5 14.5	18 AWG (solid) .040" BC 6.4Ω/M' 21.0Ω/km	.180	4.57	Duobond Plus** 77% & 80% Aluminum Braids 4.6Ω/M' 15.1Ω/km	.275	6.99	75	83%	16.2	53.1	5	.5	1.6
																		55	1.4	4.6
																		211	2.6	8.5
																		500	4.1	13.5
																		750	5.1	16.7
																		862	5.5	18.0
																		1000	6.0	19.7
																		1450	7.8	25.6
																		1800	8.6	28.2
																		2250	9.8	32.2

Sweep tested 950 MHz to 2.25 GHz.

**Series 6 • 18 AWG Solid .040" Bare Copper Conductor • Duobond + Aluminum Braid Shields (60% and 40% Coverage)****Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black or White)**

	80°C	7916A	NEC: CATV CM CEC: CM	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	18.5 19.5 36.0 35.0	8.4 8.9 16.3 15.9	18 AWG (solid) .040" BC 6.4Ω/M' 21.0Ω/km	.180	4.57	Duobond IV* 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.298	7.57	75	83%	16.2	53.1	5	.5	1.6
																		55	1.4	4.6
																		211	2.6	8.5
																		500	4.1	13.5
																		750	5.1	16.7
																		862	5.5	18.0
																		1000	6.0	19.7
																		1450	7.8	25.6
																		1800	8.6	28.2
																		2250	9.8	32.2

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

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

Duobond Plus = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + shorting fold.

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

# Standard Analog Video Cable

## RG-6/U and RG-11/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 • 18 AWG** Stranded (7x26) .048" Tinned Copper Conductor • Bare Copper Braid Shield (97% Coverage)

<b>Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket</b>																			
80°C	<b>8238</b>	NEC: CM	500	152.4	59.0	26.8	18 AWG (7x26)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	67%	20.5	67.2	1	.2	.6
		CEC: CM	1000	304.8	117.0	53.1	.048" TC			Coverage 1.2Ω/M' 3.9Ω/km							10	.7	2.2
							6.1Ω/M' 20.0Ω/km										50	1.3	4.3
																	100	2.0	6.6
																	200	2.9	9.5
																	400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
																	1000	7.1	23.3

Suitable for Indoor and Outdoor applications.

<b>Polyethylene Insulation • Black PVC Jacket</b>																			
60°C	<b>8261</b>	CEC: CXC	500	152.4	52.5	23.9	18 AWG (7x26)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	66%	20.5	67.2	1	.2	.6
VW-1			1000	304.8	104.0	47.3	.048" TC			Coverage 1.2Ω/M' 3.9Ω/km							10	.7	2.2
							6.1Ω/M' 20.0Ω/km										50	1.3	4.3
																	100	2.0	6.6
																	200	2.9	9.5
																	400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
																	1000	7.1	23.3

Suitable for Indoor and Outdoor applications.

**Composite • Coax: 18 AWG** Solid BC Cond. w/BC Braid Shield (95% Coverage) • **Power: 18 AWG** Stranded (7x26) BC Conductor UTP

<b>Foam Polyethylene Insulation (Coax) • Polypropylene Insulation (Pair) • Black Low-Smoke, Zero-Halogen Jacket</b>																			
Siamese 300V RMS	<b>1306SB</b>	NEC: CMG-LS	500	152.4	37.0	16.8	18 AWG (solid)	.180	4.57	Coax: 95% BC Braid	.275	6.99	75	83%	16.3	53.5	1	.2	.7
	<b>new</b>	CEC: CMG-LS FT4 Limited Smoke	1000	304.8	76.0	34.5	.040" BC			Pair: 3.1Ω/M' 10.2Ω/km	.514	13.06					10	.6	2.1
							6.4Ω/M' 21.0Ω/km			(Color Code: Black & Red)							50	1.5	4.8
																	100	2.1	6.9
																	200	3.0	9.8
																	400	4.3	14.1
																	700	5.8	19.0
																	900	6.7	22.0
																	1000	7.1	23.3

**RG-11/U • 14 AWG** Solid .064" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)

<b>Gas-injected Foam HDPE Insulation • Black PVC Jacket</b>																			
80°C	<b>9292</b>	—	1000	304.8	75.0	34.0	14 AWG (solid)	.280	7.11	Duofoil + 60% TC Braid	.405	10.29	75	84%	16.1	52.8	1	.2	.6
							.064" BC			3.0Ω/M' 9.8Ω/km							10	.5	1.6
							2.6Ω/M' 8.5Ω/km										50	.9	3.0
																	100	1.3	4.3
																	200	1.6	5.3
																	400	2.3	7.6
																	700	3.3	10.8
																	900	4.0	13.1
																	1000	4.3	14.1

Suitable for Indoor and Outdoor applications.

**RG-11/U • 14 AWG** Solid .064" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (63% Coverage)

<b>Plenum • Foam FEP Insulation • Black FEP Jacket</b>																			
200°C	<b>89292</b>	NEC: CMP	500	152.4	40.5	18.4	14 AWG (solid)	.274	6.96	Duofoil + 63% TC Braid	.346	8.79	75	83%	16.2	53.1	1	.2	.5
		CATVP	1000	304.8	81.0	36.7	.064" BC			3.0Ω/M' 9.8Ω/km							10	.4	1.3
		CEC: CMP FT6					2.5Ω/M' 8.2Ω/km										50	1.0	3.3
																	100	1.5	4.9
																	200	2.2	7.2
																	400	3.3	10.8
																	700	4.5	14.8
																	900	5.2	17.1
																	1000	5.5	18.0

**RG-11/U • 14 AWG** Solid .064" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

<b>Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket</b>																			
80°C	<b>8213</b>	—	500	152.4	44.0	20.0	14 AWG (solid)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	84%	16.1	52.8	1	.2	.6
			1000	304.8	87.0	39.5	.064" BC			Coverage 1.1Ω/M' 3.6Ω/km							10	.4	1.1
			2000	609.6	172.0	78.2	2.6Ω/M' 8.5Ω/km										50	.9	3.0
																	100	1.3	4.3
																	200	1.9	6.2
																	400	2.9	9.5
																	700	4.1	13.5
																	900	4.8	15.7
																	1000	5.2	17.1

Suitable for Indoor and Outdoor applications.

BC = Bare 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.



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

# DS-3 and DS-4 Interconnect and Cross-connect Cable

## 735A\* Series

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	Stand. Signal (Mb/s)	MHz	dB/100 Ft.

**26 AWG Solid .016" (.40mm) Silver-plated Copper Conductor(s) • Beldfoil® + Tinned Copper Braid Shield (93% Coverage)**

**Foam HDPE Insulation • Overall Gray PVC Jacket (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)**

	<b>735A1</b>	NEC:	1	500	152.4	6.5	2.9	26 AWG (solid) .016"	.077	1.96	Beldfoil + 93% TC Braid	.129	3.38	75	76%	17.7	58.0	2	1.0	.6	2.0			
		CEC:		1000	304.8	12.0	5.5											41.0Ω/M' 134.5Ω/km	5.3Ω/M' 17.4Ω/km	For Plenum version see 735A1P.	CEPT-1	1.0	.6	2.0
CMG FT4																								
	<b>735A1T</b>	NEC:	1	500	152.4	7.5	3.4	same as above	.077	1.96	same as above	.129	3.28											
		CEC:		1000	304.8	13.0	6.0																	
PVC insulated tracer.																								
	<b>73502T</b>	NEC:	2	500	152.4	20.0	9.1	26 AWG (solid) .017"	.077	1.96	same as above	.179	4.55											
		CEC:		1000	304.8	44.0	20.0																	
22 AWG stranded (7x30) tinned copper PVC insulated tracer.																								
	<b>735A2</b>	NEC:	2	500 <sup>†</sup>	152.4	14.0	6.4	26 AWG (solid) .016"	.077	1.96	same as above	.129	3.28											
		CEC:		1000 <sup>†</sup>	304.8	26.0	11.8																	
		CMG FT4																						
	<b>735A3</b>	NEC:	3	500 <sup>†</sup>	152.4	27.0	12.0	same as above	.077	1.96	same as above	.309	7.85											
		CEC:		1000 <sup>†</sup>	304.8	52.0	23.6																	
		CMG FT4																						
	<b>735A6</b>	NEC:	6	500	152.4	47.0	21.3	same as above	.077	1.96	same as above	.399	10.14											
		CEC:		1000	304.8	95.0	43.1																	
		CMG FT4																						
	<b>735A8</b>	NEC:	8	500 <sup>†</sup>	152.4	64.5	29.3	same as above	.077	1.96	same as above	.447	11.35											
		CEC:		1000	304.8	125.0	56.7																	
		CMG FT4																						
	<b>735A9</b>	NEC:	9	500 <sup>†</sup>	152.4	77.0	34.9	same as above	.077	1.96	same as above	.484	12.29											
		CEC:		1000 <sup>†</sup>	304.8	133.0	60.5																	
		CMG FT4																						
	<b>735A12</b>	NEC:	12	500	152.4	94.5	43.0	same as above	.077	1.96	same as above	.581	14.76											
		CEC:		1000	304.8	187.0	85.0																	
		CMG FT4																						
	<b>735A16</b>	NEC:	16	500	152.4	126.5	57.4	same as above	.077	1.96	same as above	.636	16.15											
		CEC:		1000	304.8	257.0	116.6																	
		CMG FT4																						
	<b>735A24</b>	NEC:	24	1000 <sup>†</sup>	304.8	416.0	188.7	same as above	.077	1.96	same as above	.870	22.10											
		CEC:		1000 <sup>†</sup>	304.8	416.0	188.7																	
		CMG FT4																						

### Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket

	<b>735A1P</b>	NEC:	1	500	152.4	7.5	3.4	same as above	.077	1.96	same as above	.129	3.28	75	76%	17.7	58.1	(same as above)						
		CEC:		1000	304.8	14.0	6.4											41.0Ω/M' 134.5Ω/km	5.3Ω/M' 17.4Ω/km	For Plenum version see 735A1P.				
		CMG FT6																						

100% Sweep tested.  
RL: 30dB min. at 15 MHz to 95 MHz.  
Non-plenum versions comply with  
Telcordia Specification GR-139-CORE.

100% Sweep tested.  
RL: 30 dB min. at 15 MHz to 95 MHz.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • SPC = Silver-plated Copper • TC = Tinned Copper  
See chart on page 6.58 for maximum transmission distances.


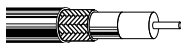
\*Lucent Technologies reference specification. Belden equivalent. Minimum Return Loss @ 55 MHz to 95 MHz = -35dB.  
†Final put-ups may vary ±10% from length shown for spools or reels and ±5% for UnReel® cartons.

**DS-3 and DS-4 Interconnect and Cross-connect Cable****734D\* Series**


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. of Prop. (Ω)	Nom. Vel. of Prop. pF/Ft. pF/m	Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			Stand. Signal (Mb/s)	MHz	dB/ 100 Ft.

**20 AWG Solid .032" (.81mm) Silver-plated Copper Conductor(s) • Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (85% Coverage)**


**Gas-injected FHDPE Insulation • Overall Gray PVC Jacket** (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)

	<b>734D1</b>	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	16.0 36.0	7.3 16.3	20 AWG (solid) .032" SPC 10.0Ω/M' 32.8Ω/km	.148	3.76	Beldfoil + 85% TC Braid 2.4Ω/M' 7.9Ω/km	.235	5.97	75	80%	16.8	55.1	2	1.0	.3	1.0		
	<b>734D1T</b>	NEC: CMR CEC: CMG FT4	1 w/T	500 1000	152.4 304.8	17.5 39.0	7.9 17.7	same as above	.148	3.76	same as above	.235	5.97	x x	x x					CEPT-1	1.0	.3	1.0
	<b>734D2</b>	NEC: CMR CEC: CMG FT4	2	500 1000	152.4 304.8	35.5 66.0	16.1 29.9	same as above	.148	3.76	same as above	.235	5.97	x x	x x					CEPT-2	4.2	.5	1.6
	<b>734D2T</b>	NEC: CMR CEC: CMG FT4	2 w/T	500 † 1000 †	152.4 † 304.8 †	37.5 † 73.0 †	17.0 † 33.1 †	same as above	.148	3.76	same as above	.235	5.97	x x	x x					10	5.0	.6	2.0
																				20	10.0	.8	2.6
																				CEPT-3	17.2	1.0	3.3
																				DS-3	22.4	1.1	3.6
																				STS-1	25.9	1.2	3.9
																				89.472	44.7	1.6	5.3
																				100	50.0	1.7	5.6
																				CEPT-4	69.6	2.0	6.6
																				STS-3	77.8	2.1	6.9
																				200	100.0	2.5	8.2
																				DS-4	137.1	2.9	9.5
																				400	200.0	3.6	11.8

Siamese versions bonded in parallel, feature zip cord design with printing on one leg.

	<b>734D2T</b>	NEC: CMR CEC: CMG FT4	2 w/T	500 † 1000 †	152.4 † 304.8 †	37.5 † 73.0 †	17.0 † 33.1 †	same as above	.148	3.76	same as above	.235	5.97	x x	x x								
	<b>734D6</b>	NEC: CMR CEC: CMG FT4	6	500 † 1000 †	152.4 † 304.8 †	141.0 † 290.0 †	64.1 † 131.8 †	same as above	.148 Coax OD: .235	3.76 5.97	same as above	.772	19.61										

Siamese versions bonded in parallel, feature zip cord design with printing on one leg and PVC insulated tracer.

	<b>734D6</b>	NEC: CMR CEC: CMG FT4	6	500 † 1000 †	152.4 † 304.8 †	141.0 † 290.0 †	64.1 † 131.8 †	same as above	.148 Coax OD: .235	3.76 5.97	same as above	.772	19.61										
	<b>734D12</b>	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	284.5 555.0	129.3 252.3	same as above	.148 Coax OD: .235	3.76 5.97	same as above	1.026	26.06										

**Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket**

	<b>734D1P</b>	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	17.0 37.0	7.7 16.8	same as above	.148	3.76	same as above	.215	5.46	75	80%	17.3	56.7			(same as above)			
																					100% Sweep tested. RL: 30dB min. at 15 MHz to 95 MHz.		

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FHDPE = Foam High-density Polyethylene • SPC = Silver-plated Copper • TC = Tinned Copper  
See chart on page 6.58 for maximum transmission distances.

\*Lucent Technologies reference specification. Belden equivalent. †Final put-ups may vary ±10% from length shown for spools or reels and ±5% for UnReel® cartons.




# Computer and Instrumentation 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.

**75 Ohm • 30 AWG** Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)

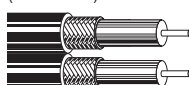
### TFE Teflon® Insulation • White TFE Tape Jacket

200°C	<b>83267</b>	—	100†	30.5	1.9	.9	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	3.0	9.8
VW-1			1000†	304.8	11.0	5.0											10	5.3	17.4
			50	8.5	27.9														
			100	10.0	32.8														
			200	12.5	41.0														
			400	16.0	52.5														
			700	19.7	64.6														
			900	22.3	73.2														
			1000	24.0	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	<b>9555</b>	NEC:	500	152.4	38.5	17.5	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	6.05	75	66%	20.5	67.3	1	.6	2.0
Style 20063		CM	1000	304.8	78.0	35.4											10	1.1	3.6
(300V 80°C)		CEC:	2000	609.6	152.0	69.0											50	2.4	7.9
		CM															100	3.4	11.2
																	200	4.9	16.1
						400	7.0	23.0											
						700	9.7	31.8											
						900	11.1	36.4											
						1000	12.0	39.4											

**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	<b>89555</b>	NEC:	500	152.4	46.5	21.1	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	5.39	75	70%	19.5	64.0	1	.5	1.6
		CMP	1000	304.8	90.0	40.9											10	1.1	3.6
		CEC:															50	2.5	8.2
		CMP FT6															100	3.5	11.5
																	200	5.1	16.7
																	400	7.5	24.6
																	700	10.4	34.1
																	900	12.0	39.4
																	1000	12.7	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

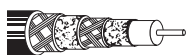
	<b>3131A</b>	NEC:	1000	304.8	39.0	17.7	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond IV* Quad Shield 3.6Ω/M' 11.8Ω/km	.300	7.62	75	82%	16.2	53.2	1	.35	1.15
		CL2R,	2500††	762.2	97.5	44.3											2	.38	1.25
		CMR															5	.45	1.48
		CEC:															10	.59	1.94
		CMP FT4															20	.86	2.82
																	50	1.37	4.50
																	100	1.97	6.46
																	200	2.82	9.25
																	300	3.48	11.42
																	400	4.04	13.26

Sweep tested 5 MHz to 400 MHz.  
CPE jacket optional.  
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

	<b>3094A</b>	NEC:	500	152.4	34.5	15.7	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	.16	.53
		CL2R,	1000	304.8	69.0	31.3											2	.18	.59
		CMR	2000	609.6	136.0	61.7											5	.26	.85
		CEC:															10	.38	1.25
		CMP FT4															20	.55	1.81
																	50	.83	2.72
																	100	1.17	3.84
																	200	1.60	5.25
																	300	1.99	6.53
																	400	2.30	7.55

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.



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

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