

# 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	<b>7915A</b>	NEC:	U-500	U-152.4	16.5	7.5	18 AWG	.180	4.57	Duobond Plus <sup>®</sup>	.275	6.99	75	83%	16.2	53.2	5	.5	1.6	
			CATV CM	500	152.4	18.0	8.2	(solid)										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'			4.6Ω/M'								750	5.1	16.7

Sweep tested 5 MHz to 3.0 GHz.

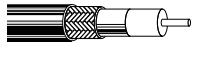
Shielding effectiveness is 125dB @ 1GHz.

	80°C	<b>7916A</b>	NEC:	U-500	U-152.4	18.5	8.4	18 AWG	.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	(solid)			+								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'			4.8Ω/M'								750	5.1	16.7

Sweep tested 5 MHz to 3.0 GHz.

Shielding effectiveness is 125dB @ 1GHz.

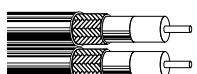
#### Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black, Gray or White)

	80°C	<b>1829AC</b>	NEC:	U-1000 <sup>†</sup>	U-304.8	29.0	13.2	18 AWG	.180	4.57	Duobond II + 60%	.270	6.86	75	83%	16.2	53.2	5	.5	1.6	
			CATV CM	1000 <sup>††</sup>	304.8	30.0	13.6	(solid)			Aluminum Braid								55	1.4	4.6
			CEC:					.040"											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


Sweep tested 950 MHz to 2.25 GHz.

<sup>†</sup>U-1000 ft. put-up not available in White.

<sup>††</sup>1000 ft. put-up not available in Gray.

	80°C	<b>1841AC</b>	NEC:	500	152.4	33.5	15.2	18 AWG	.180	4.57	Duobond II + 60%	.273	6.93	75	83%	16.2	53.2	5	.5	1.6	
			CATV CM					(solid)			x x								55	1.4	4.6
			CEC:					.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

		<b>7916AP</b> <small>new</small>	NEC:	U-1000	U-304.8	32.0	14.5	18 AWG	.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	(solid)			Aluminum Braids								10	.7	2.2
			CEC:					.040"											50	1.6	5.3
			CMP FT6					BC			4.8Ω/M'								100	2.2	7.2
								6.4Ω/M'			15.7Ω/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	<b>9116</b>	NEC: CATV CM CEC: CM	U-1000 <sup>▲</sup> 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												

▲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	<b>1829A</b>	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	.5	1.6
							28.0Ω/M' 91.9Ω/km										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
																	3000	11.3	37.1

80°C	<b>1829R</b> <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	.5	1.6
							28.0Ω/M' 91.9Ω/km										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
																	3000	11.3	37.1

\*U-1000 ft. put-up not available in Neutral.

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

75°C	<b>1829P</b> <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	.3	1.0
							28.0Ω/M' 91.9Ω/km										10	.7	2.2
																	50	1.5	4.9
																	100	2.1	6.9
																	200	3.0	9.8
																	400	4.4	14.4
																	700	6.1	20.0
																	900	7.2	23.6
																	1000	7.6	24.9
																	1450	9.6	31.5
																	1800	11.0	36.1
																	2250	12.7	41.7
																	3000	15.1	49.5

Sweep tested 950 MHz to 2.25 GHz.

Sweep tested 5 MHz to 3.0 GHz.

#### 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	<b>1189A</b>	NEC: CATV CM CEC: CM	U-500 1000 <sup>▼</sup>	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												

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

Sweep tested 5 MHz to 1 GHz.

##### Plenum • Foam FEP Insulation • Natural Flamarrest Jacket

75°C	<b>1189AP</b>	NEC: CATVP CMP CEC: CMP FT6	1000 <sup>†</sup>	304.8	32.0	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	.3	1.0
							28.0Ω/M' 91.9Ω/km										10	.7	2.2
																	50	1.6	5.2
																	100	2.2	7.2
																	200	3.0	9.8
																	400	4.6	15.1
																	700	6.6	21.7
																	900	7.7	25.3
																	1000	8.2	26.9

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).

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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

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