


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 + Aluminum Braid Shield (60% Coverage)


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

80°C 	1829A	NEC:	U-1000†	U-304.8	29.0	13.2	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	.270	6.86	75	83%	16.2	53.1	5	.5	1.6
		CATV CM	1000†	304.8	29.0	13.2											55	1.4	4.6
		CEC:															211	2.6	8.5
		CM															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

†Final put-up length may vary ±10% for spools, ±5% for unreel cartons.


80°C 	1829AC	NEC:	U-1000 [▲]	U-304.8	27.0	12.3	18 AWG (solid) .040" BCAC 6.4Ω/M' 21.0Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5	.5	1.6
		CATV CM	1000 [▲]	304.8	27.0	12.3											55	1.4	4.6
		CEC:															211	2.6	8.5
		CM															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

[▲]U-1000 ft. put-up available in Black, White or Gray only. 1000 ft. available in White or Black only.


80°C 	1829R <small>new</small>	NEC:	U-1000*	U-304.8	29.0	13.2	18 AWG (solid) .040" BCCS 28.0Ω/M' 21.0Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5	.5	1.6
		CATVR, CMR															55	1.4	4.6
		CEC:															211	2.6	8.5
		CMG FT4															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

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

Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket


Burial 80°C 	1829B	—	1000	304.8	26.0	11.8	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	.270	6.86	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

CoreGuard®

Burial 80°C 	1829BC	—	1000	304.8	27.0	12.3	18 AWG (solid) .040" BCAC 6.4Ω/M' 21.0Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	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

CoreGuard®

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C 	1829P <small>new</small>	NEC:	U-1000	U-304.8	27.0	12.3	18 AWG (solid) .040" BCCS 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	53.4	1	.3	1.0
		CATVP, CMP	1000	304.8	27.0	12.3											10	.7	2.2
		CEC:															50	1.5	4.9
		CMP FT6															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

BC = Bare Copper • BCAC = Bare Copper Anti-corrosion • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

*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 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	1839A	—	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	1840A	—	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	1841A	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	1839AC	—	1000*	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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*1000 ft. put-up not available in White.
.045" (1.14mm) copper-covered steel static ground.

80°C	1840AC	—	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	1841AC	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

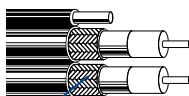
*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

DBS Cable

Series 6

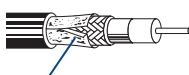
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	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"	.180	4.57	Duobond II* + 60% Aluminum	.273 X .750	6.93 X 19.05	75	83%	16.2	53.1	5	.5	1.6					
				28.0Ω/M'																	55	1.4	4.6		
				91.9Ω/km																		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

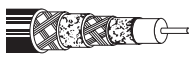
.045" (1.14mm) copper-covered steel static ground.
Suitable for Outdoor and Direct Burial applications.

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:	U-500	U-152.4	16.5	7.5	18 AWG (solid) .040"	.180	4.57	Duobond Plus** 77% & 80%	.275	6.99	75	83%	16.2	53.1	5	.5	1.6				
			CATV CM	500	152.4	18.0	8.2														55	1.4	4.6	
			CEC:	U-1000	U-304.8	32.0	14.5															211	2.6	8.5
			CM	1000	304.8	32.0	14.5															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:	U-500	U-152.4	18.5	8.4	18 AWG (solid) .040"	.180	4.57	Duobond IV* 60% & 40%	.298	7.57	75	83%	16.2	53.1	5	.5	1.6				
			CATV CM	500	152.4	19.5	8.9														55	1.4	4.6	
			CEC:	U-1000	U-304.8	36.0	16.3															211	2.6	8.5
			CM	1000	304.8	35.0	15.9															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).

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	.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	(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								500	4.1	13.5
								6.4Ω/M'			Braid								750	5.1	16.7

Sweep tested 5 MHz to 3.0 GHz.

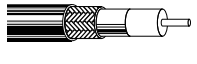
Shielding effectiveness is 125dB @ 1GHz.

	80°C	7916A	NEC:	U-500	U-152.4	18.5	8.4	18 AWG	.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								500	4.1	13.5
								6.4Ω/M'			Braids								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	.180	4.57	Duobond II	.270	6.86	75	83%	16.2	53.2	5	.5	1.6	
			CATV CM	1000 ^{††}	304.8	30.0	13.6	(solid)			+ 60%								55	1.4	4.6
			CEC:					.040"			Aluminum								211	2.6	8.5
			CM					BC			Braid								500	4.1	13.5
								6.4Ω/M'			9.0Ω/M'								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:	500	152.4	33.5	15.2	18 AWG	.180	4.57	Duobond II	.273	6.93	75	83%	16.2	53.2	5	.5	1.6	
			CATV CM					(solid)			+ 60%	x	x						55	1.4	4.6
			CEC:					.040"			Aluminum	.595	15.11						211	2.6	8.5
			CM					BC			Braid								500	4.1	13.5
								6.4Ω/M'			9.0Ω/M'								750	5.1	16.7

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

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