

Home Cinema Video Cables

Low Loss HDTV/SDI Digital Coax and SVHS Coax



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	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/ 100 m

28.5 AWG • Solid 0.3 mm Bare Copper • Duobond® • 95 % Tinned Copper Braid

Gas-Injected Foam HDPE Insulation • PVC Jacket (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)																			
DigiTruck®	179DT	NEC:	500	152	5.0	2.3	0.31 mm	0.056	1.42	Duobond®	0.100	2.54	75	77%	17.5	57.4	1	1.2	3.9
SDI/HDTV		CMR	1000	305	8.0	3.6	28.5 AWG			+ 95% TC							5	1.9	6.1
Digital Video 75°C		CEC:					Solid BC			Braid							10	2.4	7.8
		CMG FT4					379.2 /km*			29.2 /km***							67.5	5.9	19.3
							350.0 /km**										71.5	6.0	19.6
																	100	6.9	22.6
																	135	7.9	25.8
																	270	10.8	35.4
																	360	12.5	41.0
																	540	15.4	50.5
																	720	17.9	58.7
																	750	18.3	60.0
																	1000	21.3	69.9
																	1500	26.3	86.3
																	2000	30.8	101.1
																	2250	32.8	107.6
																	3000	38.3	125.7



Mini Video Patch
0.3/1.4

Guaranteed Return Loss: -21dB Min.
152 m put-up available in Black only.

Nominal Delay: 4.331 ns/m
Pulling Tension: 66 N
100% Sweep tested to 3 GHz.

22 AWG • Stranded (7x29) 0.8 mm Bare Compacted Copper • 95 % Tinned Copper Double Braid

Gas-Injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White, Orange and Violet)																			
High-Flex	1505F	NEC:	1000	305	45.0	20.4	0.76 mm	0.145	3.68	Double Braid	0.242	6.15	75	80%	17.0	55.7	1	0.2	0.7
SDI/HDTV		CM					22 AWG			95% TC							3.6	0.5	1.6
Video Patch 75°C		CEC:					(7x29) BCC			Braid							10	0.9	2.9
		CM					47.8 /km*			7.8 /km***							71.5	2.5	8.2
							40.0 /km**										135	3.5	11.5
																	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	34.4
																	1500	13.3	43.6
																	2250	16.9	55.4
																	3000	20.3	66.6

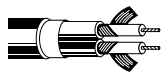
SPDIF, FBAS,
Composite Video, Audio
0.8/3.7

Return loss at 5-3000 MHz: 15 dB
100% Sweep tested: 5 Mhz to 3 GHz
Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

Nominal Delay: 4.265 ns/m
Pulling Tension: 400 N

High-Flex S-video • 30 AWG • Stranded (7x38) 0.3 mm Tinned Copper • 90 % Tinned Copper Serve

Foam HDPE Insulation • Matte Black PVC Jacket (Inner PVC Jackets Color Code: Black and Yellow)																			
Round	1808A	2 Coax	U-500	U-152	14.5	6.6	0.31 mm	0.058	1.47	Serve	0.255	6.48	75	78%	17.3	56.7	1	0.6	2.0
Construction			500	152	16.5	7.5	30 AWG			90% TC							5	1.4	4.6
			U-1000	U-305	31.0	14.1	(7x38) TC			24.6 /km***							10	2.1	6.9
			1000	305	33.0	15.0	352.6 /km*										30	3.8	12.5
							328.0 /km**										50	5.1	16.7
																	100	7.6	24.9
																	200	11.3	37.1
																	400	16.9	55.4
																	700	23.3	76.4
																	900	26.9	88.3
																	1000	28.6	93.8



Return loss at 5-3000 MHz: 15 dB
Nominal Delay: 4.265 ns/m
Pulling Tension: 52 N

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • BCC = Bare Compacted Copper

Duobond® see technical information page 23.13.

Home Cinema Video Cables

Multicore Cables



De-scription	Part No.	UL NEC / C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	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/100 m

25 AWG • Solid 0.5 mm Tinned Copper • Duobond® • 95 % Tinned Copper Interlocked Serve (Coaxes)

FPFA Insulation • Overall Matte Black PVC Jacket

	HDTV/SDI	NEC:	0.46 mm	0.074	1.88	Duobond®	75	80%	17.0	55.8	1	0.5	1.7					
	Digital Video	CMR	25 AWG			95% TC Serve					5	1.2	3.8					
	60°C	CEC:	Solid TC			17.7 /km***					50	3.7	12.1					
		CMG	129.3 /km*								100	4.9	16.1					
			111.6 /km**								200	6.7	22.0					
											400	9.5	31.2					

Miniature
0.5/1.9

Pulling Tension:

1277R	3 Coax	500	152	25.5	11.6		0.320	8.13											400 N
		1000	305	48.0	21.8														
1278R	4 Coax	250	76	21.8	9.9		0.351	8.92											489 N
		500	152	31.5	14.3														
		1000	305	60.0	27.2														
1279R	5 Coax	500	152	40.5	18.4		0.403	10.24											578 N
		1000	305	80.0	36.3														
1280R	6 Coax	500	152	44.0	20.0		0.423	10.74											601 N
		1000	305	87.0	39.5														

Nominal Delay: 4.068 ns/m
Color Code: see chart below

25 AWG • Solid 0.5 mm TC • Duobond® • 95 % TC Interlocked Serve (Coaxes) • Banana Peel® Unjacketed, Bonded to Central Spline

Foam HDPE Insulation • PVC Jacket in Colors

	HDTV/SDI	NEC:	0.46 mm	0.074	1.88	Duobond®	0.114	2.90	75	80%	17.0	55.8							see above
	Digital Video	CMR	25 AWG			95% TC Serve													
	75°C	CEC:	Solid TC			17.7 /km***													
		CMG	129.3 /km*																
			111.6 /km**																

Miniature
0.5/1.9

Pulling Tension:

1281S3	3 Coax	500	152	17.0	7.7		0.246	6.25											400 N	
		1000	305	31.0	14.1															
1281S4	4 Coax	500	152	23.5	10.7		0.275	6.99											489 N	
		1000	305	44.0	20.0															
		250	76	16.0	7.3		0.308	7.82											578 N	
1281S5	5 Coax	500	152	28.5	12.9															
		1000	305	55.0	24.9															
		500	152	33.5	15.2		0.342	8.69											601 N	
1281S6	6 Coax	1000	305	68.0	30.8															

Nominal Delay: 4.068 ns/m
100% Sweep tested. 5 MHz to 850 MHz. Patent pending.
Color Code: see chart below

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper
Duobond® see technical information page 23.13.

Color Code

Cond.	Color	Cond.	Color	Cond.	Color
1	Red	3	Blue	5	Black
2	Green	4	Yellow	6	White



For more information, contact Belden Technical Support +31-77-3875-414 • www.belden-emea.com