

Coax Cable Assemblies

Video Cords

Part No.	Gender	Standard Lengths		Standard Unit Weight		Cond. AWG (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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.

Brilliance Assemblies • 1505F HDTV/SDI • BNC, RCA or F Connectors on both ends • Superflex 75 Ohm broadcast quality assembled colored cable with two strain relief boosts

Digital video and HDTV run at higher frequencies and make better use of composite video for even greater picture clarity. To accommodate the need for higher frequency, and the ability to run more demanding applications such as high resolution VGA on large screens, HDTV, Hi-Res CAD, animation, editing and special effects, Belden uses the extremely popular 1505F which has the optimum design to meet these new high-end requirements. The Belden line includes high performance professional connectors with excellent connector pull strength and minimal signal loss. Perfect for patching, rack wiring, OB vans, satellite headends, CCTV, etc.

Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White, Violet, Orange)

1.6	0.5	0.18	0.08	22 AWG	0.145	3.68	Double	0.242	6.15	75	80%	17.0	55.7	1	0.2	0.7
3.3	1.0	0.26	0.12	0.79 mm			95% TC							3.6	0.5	1.6
6.6	2.0	0.43	0.19	(7x29) BC			Braid							10	0.9	2.9
9.8	3.0	0.59	0.27	47.8 Ω/km*			7.8 Ω/km***							71.5	2.5	8.2
16.4	5.0	0.92	0.42	40.0 Ω/km**										135	3.5	11.5
19.7	6.0	1.09	0.49											270	5.1	16.7
49.2	15.0	2.58	1.17											360	6.0	19.7
65.6	20.0	3.40	1.54											540	7.4	24.3
98.4	30.0	5.06	2.29											720	8.7	28.5
147.6	45.0	7.54	3.42											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



Return loss at 5-3000 MHz: ≥ 15 dB

1505F BNC-BNC • for Analog & Digital Video, Patchcords, CCTV, Satellite Uplink/Downlink, Telecom

Length	Violet	Black	Red	Green	Blue	Yellow	White	Orange
CA00100...	0.5	00C0D5	01C0D5	02C0D5	03C0D5	04C0D5	05C0D5	06C0D5
	1.0	00C1	01C1	02C1	03C1	04C1	05C1	06C1
	2.0	00C2	01C2	02C2	03C2	04C2	05C2	06C2
	3.0	00C3	01C3	02C3	03C3	04C3	05C3	06C3
	5.0	00C5	01C5	02C5	03C5	04C5	05C5	06C5
	6.0	00C6	01C6	02C6	03C6	04C6	05C6	06C6
	15.0	00C15	01C15	02C15	03C15	04C15	05C15	06C15
Example Part No. CA0010000C0D5 = 1505F BNC-BNC, 0.5 m, violet	20.0	00C20	01C20	02C20	03C20	04C20	05C20	06C20
	30.0	00C30	01C30	02C30	03C30	04C30	05C30	06C30
	45.0	00C45	01C45	02C45	03C45	04C45	05C45	06C45

1505F RCA-RCA • for Audio or Video, Projectors, Digital Audio (S/PDIF) Subwoofer, Analog Audio and Composite Video

Length	Violet	Black	Red	Green	Blue	Yellow	White	Orange
CA00101...	0.5	00C0D5	01C0D5	02C0D5	03C0D5	04C0D5	05C0D5	06C0D5
	1.0	00C1	01C1	02C1	03C1	04C1	05C1	06C1
	2.0	00C2	01C2	02C2	03C2	04C2	05C2	06C2
	3.0	00C3	01C3	02C3	03C3	04C3	05C3	06C3
	5.0	00C5	01C5	02C5	03C5	04C5	05C5	06C5
	6.0	00C6	01C6	02C6	03C6	04C6	05C6	06C6
	15.0	00C15	01C15	02C15	03C15	04C15	05C15	06C15
Example Part No. CA0010100C0D5 = 1505F RCA-RCA, 0.5 m, violet	20.0	00C20	01C20	02C20	03C20	04C20	05C20	06C20
	30.0	00C30	01C30	02C30	03C30	04C30	05C30	06C30
	45.0	00C45	01C45	02C45	03C45	04C45	05C45	06C45

1505F F-F • for Cable TV, Satellite and Antenna. The Brilliance Assemblies RF Video Cords can be Specially Ordered.

Length	Violet	Black	Red	Green	Blue	Yellow	White	Orange
CA00102...	0.5	00C0D5	01C0D5	02C0D5	03C0D5	04C0D5	05C0D5	06C0D5
	1.0	00C1	01C1	02C1	03C1	04C1	05C1	06C1
	2.0	00C2	01C2	02C2	03C2	04C2	05C2	06C2
	3.0	00C3	01C3	02C3	03C3	04C3	05C3	06C3
	5.0	00C5	01C5	02C5	03C5	04C5	05C5	06C5
	6.0	00C6	01C6	02C6	03C6	04C6	05C6	06C6
	15.0	00C15	01C15	02C15	03C15	04C15	05C15	06C15
Example Part No. CA0010200C0D5 = 1505F F-F, 0.5 m, violet	20.0	00C20	01C20	02C20	03C20	04C20	05C20	06C20
	30.0	00C30	01C30	02C30	03C30	04C30	05C30	06C30
	45.0	00C45	01C45	02C45	03C45	04C45	05C45	06C45

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • M = Male • F = Female • TC = Tinned Copper • BC = Bare Copper

To comfortably support today's broadcast technology, Brilliance Assemblies can be specially ordered:

- for mobile television broadcast trucks with 179DT BNC-BNC (CA00103)
- as an economical version with 1855A BNC-BNC (CA00106)
- for long runs with 1505A BNC-BNC (CA00109)
- for longer runs with 1694A BNC-BNC (CA00112)

All these Brilliance Assemblies are available in 10 colors (1505A with 8 colors).

If you require a specific connector, you can choose from the following brands: ADC, Neutrik, Damar+Hagen, Telegaertner.

Recommended Color Schema:

Red + Black	Analog audio
RGB (Red, Green, Blue)	Component video
Orange	Digital audio
Yellow	Composite video
Violet	Digital video/HDTV