

Twisted Pair and Fiber Optic Cable Assemblies

CatSnake™

Part No.	Connector	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			ACR dB/100m	Min. RL dB
		ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		

Brilliance Assemblies • 1305A • Mobile Cat 5e • Neutrik EtherCon® Connectors • CatSnake™ is a new design from Belden and assembled with standard RJ45 connectors

The round PVC jacket provides durability and the cable ends are assembled with Neutrik's EtherCon®. This design was developed to provide a comprehensive solution for data transfer in harsh and demanding applications. CatSnake™ assembly is particularly suitable for Ethernet networking in commercial audio, concert sound reinforcement, stage production, DMX lighting and industrial internet access environments.

4 Bonded-pairs UTP • Black PVC Jacket																		
CA00250 01C50	EtherCon®	164	50	11.02	5.0	0.51 mm	0.037	0.95	Bonded-Pair	0.295	7.49	1	2.0	65.3	63.3	60.8	63.3	20.0
CA00250 01C100		328	100	19.84	9.0	24 AWG			Unshielded			4	4.0	56.3	52.3	48.7	52.3	23.0
CA00250 01C500		1640	500	90.39	41.0	(7x32) TC						10	6.4	50.3	43.9	40.8	43.9	25.0
												16	8.1	47.3	39.1	36.7	39.1	25.0
												20	9.2	45.8	35.2	34.7	35.2	25.0
												31.25	11.2	42.9	31.3	30.9	31.3	23.6
												62.5	16.8	38.4	21.6	24.8	21.6	21.9
												100	21.7	35.3	17.1	20.8	17.1	20.1
												155	27.7	32.5	4.7	16.9	4.7	19.0
												200	32.0	30.8	3.0	14.7	3.0	19.0
												310	41.3	27.9	> 0	10.9	> 0	18.0
												350	44.3	27.2	> 0	9.9	> 0	17.0



Brilliance® Broadcast Assembly line can be specially ordered as CA00251 with only RJ-45.

Fiber Optic Assembly For HDTV Cameras (SMPTE 311)

Part No.	Connector	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal OD		Component	Description	Shielding Material & Nom. DCR	Component OD		Nominal Attenuation	
		ft.	m	lbs.	kg		inch	mm				inch	mm	dB/100 ft.	dB/100 m

Brilliance Assemblies • 7804C • SMPTE 311M HDTV cable • Single-Mode Fiber with copper conductors • Lemo 3K.93C connectors

With the rise of high-definition video applications, such as 1080i and 720p, the bandwidth demands on camera cables has grown significantly. To meet these new requirements, Belden now offers (new generation) 7804C, which consists of dual single-mode fiber optic cables and copper components for power and data, and a special connector made by Lemo.

Composite Cable: 2 Power Conductors • SM Fiber (24 AWG and 16 AWG) • Stranded TC Conductors • Black Belflex® Jacket															
CA00270 01C100	2x3K.93C.TLMC	328	100	64.82	29.40	—	0.362	9.2	2xFiber	(2) Breakout Fibers	38 AWG TC Braid	0.079	2.00	0.14	0.45
CA00270 01C500		1640	500	318.79	144.60					SM/125µ/900µ core/clad/buffer	95% Shield Coverage				
CA00270 01C1.000		3280	1000	636.25	288.60						2.8 Ω/m* 9.2 Ω/km				
							0.362	9.2	(2) Conductors	24 AWG (7x32) TC	95% Shield Coverage				
										0.024"	2.8 Ω/m* 9.2 Ω/km	0.050	1.27	0.14	0.45
										23.3 Ω/m* 76.4 Ω/km					
							0.362	9.2	(2) Conductors	16 AWG (65x34) TC	95% Shield Coverage				
										0.037"	2.8 Ω/m* 9.2 Ω/km	0.093	2.36	0.14	0.45
										4.3 Ω/m* 14.1 Ω/km					



Brilliance® Broadcast Assembly line can be specially ordered as CA00271 with: Neutrik's OpticalCon® • Suitable for indoor studio and camera applications acc. IEC 60664-1 (Pollution degree 1, over voltage category 1), not compatible to SMPTE standard.

* DC loop resistance • DCR = DC resistance • TC = Tinned Copper

EtherCon® and OpticalCon® are Neutrik trademarks.