

▶ **75 ohm Digital Video Coaxial Cable (L-CFB Series)**



Product Name

75 ohm Digital Video Coaxial Cable

Model Number

L-CFB Series

Product Image

Canare 75 ohm precision digital video cables, offers the professional Broadcaster a high performance, 100% Sweep Tested, low cost, low loss coax that meets the demands of today's facility migration trends toward Serial Digital Video and HDTV standards

- HD-Serial Digital Video.
 - Satellite Head Ends.
 - HDTV Upgrades.
 - Broadband Facilities.
 - SMPTE 259M, 292M,424M.
 - Solid Copper Center Conductor.
 - Foam PE Dielectric.
 - Tinned Copper Braid + 100% Foil Shield.
 - Dielectric strips away clean from Conductor.
 - Precision Coax 100% Sweep Tested.
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MECHANICAL SPECIFICATIONS					
Model	Std. Lng.	Wt.	Nominal	PVC	Brittle Point
	ft. (m)	Std. Lng. 100m lbs. (kgs)	O.D. in. (mm)	Jacket Thickness in. (mm)	
L-2.5CFB	-	5.29 (2.4)	.16 (4.0)		
L-3CFB	328 (100)	8.82 (4.0)	.22 (5.5)		
	656 (200)				
L-4CFB	328 (100)	10.80 (4.9)	.24 (6.1)		
	656 (200)				
L-5CFB	328 (100)	16.09 (7.3)	.30 (7.7)		
	656 (200)				
L-7CFB	328 (100)	28.66 (13)	0.40 (10.2)		
	656 (200)				

(contd.) MECHANICAL SPECIFICATIONS

Model	Cond. Material AWG	Cond. O.D. in. (mm)	Dielectric Insulation Type*	Insulation O.D. in. (mm)	Shield Material Coverage
L-2.5CFB	Bare Copper #25	.02 (0.5)	Foam PE	.094 (2.4)	AL Foil 100% TAC Braid >92%
L-3CFB	Bare Copper #22	.026 (0.65)		.122 (3.1)	AL Foil 100% TAC Braid >91%
L-4CFB	Bare Copper #20	.032 (0.80)		.146 (3.7)	AL Foil 100% TAC Braid >93%
L-5CFB	Bare Copper #18	.041 (1.05)		.192 (4.9)	AL Foil 100% TAC Braid >93%
L-7CFB	Bare Copper #15	.059 (1.50)		.287 (7.3)	AL Foil 100% TAC Braid >96%

*Dielectric Strength = 1000V AC/1min. Insulation Resistance/3Mft = >1000M ohm.

ELECTRICAL PERFORMANCE

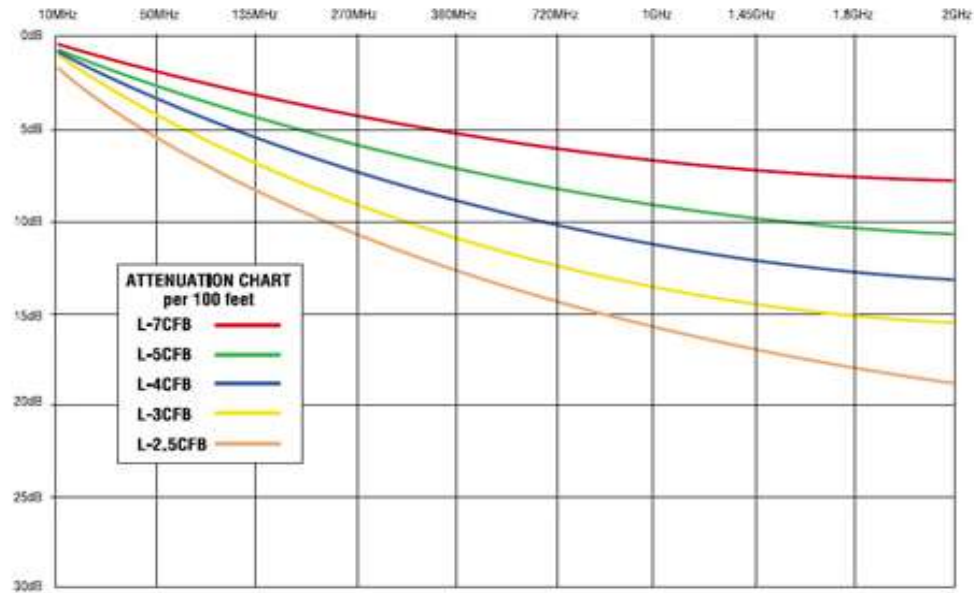
Model	Cond. D.C.R. ohm/1000ft (ohm/100m)	Shield D.C.R. ohm/1000ft (ohm/100m)	Nom. Cap. @1KHz (pF/m)	Nom. Imp. ohm	Velocity of Prop.	Serial Digital Transmission Lengths @ 270 Mb/s **
L-2.5CFB	<28.35 (<9.3)	<7.3 (<2.4)	55	75	79%	470 ft min. 614 ft max
L-3CFB	<16.8 (<5.5)	<4.3 (<1.4)				650 ft min. 830 ft max
L-4CFB	<11.0 (<3.6)	<3.0 (<1.0)				710 ft min. 920 ft max
L-5CFB	<7.0 (<2.3)	<2.1 (<0.7)				940 ft min. 1,210 ft max
L-7CFB	<3.1 (<1.0)	<1.4 (<0.5)				1,280 ft min. 1,660 ft max

**For reference only.

COLORS AVAILABLE

Model	Black	Blue	Brown	Gray	Green	Orange	Purple	Red	White	Yellow
L-2.5CFB	[+]	--	--	--	--	--	--	--	--	--
L-3CFB	[+]	[+]	--	--	[+]	--	--	[+]	[o]	--
L-4CFB	[+]	[+]	--	--	[+]	--	[+]	[+]	[o]	[+]
L-5CFB	[+]	[+]	--	--	[+]	--	--	[+]	[o]	[+]
L-7CFB	[+]	--	--	--	--	--	--	--	--	--

[+]=Standard Color, [o]=Available Color, "--"=n/a



L-CFB Series Attenuation Chart

NOMINAL ATTENUATION VALUE											
Model	Lng. ft (m)	10M Hz dB	50M Hz dB	135M Hz dB	270M Hz dB	360M Hz dB	720M Hz dB	1G Hz dB	1.45G Hz dB	1.8G Hz dB	2G Hz dB
L-2.5CFB	100 (100)	1.6 (5.8)	3.1 (10.5)	4.6 (15.0)	6.5 (21.2)	7.6 (24.8)	10.9 (35.7)	13.0 (44.4)	13.0 (42.6)	17.8 (58.4)	18.9 (62.0)
L-3CFB	100 (100)	1.0 (3.2)	2.5 (8.0)	3.7 (12.3)	5.2 (17.2)	6.1 (20.0)	8.9 (29.1)	10.6 (34.7)	13.0 (42.6)	14.7 (48.3)	15.6 (51.2)
L-4CFB	100 (100)	0.9 (2.9)	2.0 (6.6)	3.1 (10.2)	4.4 (14.5)	5.1 (16.7)	7.4 (24.3)	8.9 (29.1)	10.9 (35.8)	12.4 (40.7)	13.2 (43.3)
L-5CFB	100 (100)	0.7 (2.2)	1.6 (5.3)	2.5 (8.1)	3.5 (11.5)	4.1 (13.4)	5.9 (19.4)	7.1 (23.3)	8.8 (29.0)	10.1 (33.1)	10.7 (35.1)
L-7CFB	100 (100)	0.5 (1.6)	1.2 (3.8)	1.8 (5.8)	2.5 (8.1)	2.9 (9.4)	4.2 (13.9)	5.2 (16.8)	6.4 (21.0)	7.3 (24.1)	7.8 (25.7)

CRIMP PLUGS AND TOOLS MATRIX							
Model	CANARE 75 ohm Connectors			Cable Stripper	Crimp Tool	Die Set	
	BNC	F	RCA				
L-2.5CFB	BCP-A25	-	-	TS-100E	-	TC-1	TCD-35CA
L-3CFB	BCP-B3F	FP-C3F	RCAP-C3F	TS-100E	TS-3C	TC-1	TCD-35CA
L-4CFB	BCP-B4F	FP-C4F	RCAP-C4F	TS-100E	TS-3C	TC-1	TCD-451C
L-5CFB	BCP-B5F	FP-C5F	RCAP-C5F	TS-100E	TS-3C	TC-1	TCD-5CF
L-7CFB	BCP-C7FA	FP-C7FA	-	TS-100E	-	TC-1	TCD-7CA