

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



Product Image

Product Name

75 ohm Digital Video Coaxial Cable

Model Number

L-CFB Series

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.

Applications

HD-Serial Digital Video
 Satellite Head Ends
 HDTV Upgrades
 Broadband Facilities
 SMPTE 259M, 292M, 424M

Features

Solid Copper Center Conductor
 Foam PE Dielectric
 Tinned Copper Braid + 100% Foil Shield
 Dielectric strips away clean from Conductor
 Precision Coax 100% Sweep Tested

Tech Notes

[SMPTE 424M Standard](#)

MECHANICAL SPECIFICATIONS

Model	Std. Lng. ft. (m)	Wt. Std. Lng. lbs. (kgs)	Nominal O.D. in. (mm)	PVC Jacket Thickness in. (mm)	Brittle Point F° (C°)
L-2.5CFB		17 (7)	.157 (4.0)	.020 (0.5)	
L-3CFB		29 (13)	.217 (5.5)	.035 (0.9)	
L-4CFB	984 (300)	33 (15)	.240 (6.1)	.035 (0.9)	-22 (-30)
L-5CFB		49 (22)	.303 (7.7)	.043 (1.1)	
L-7CFB		86 (39)	.402 (10.2)	.039 (1.0)	

(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)		.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)	Foam PE	.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

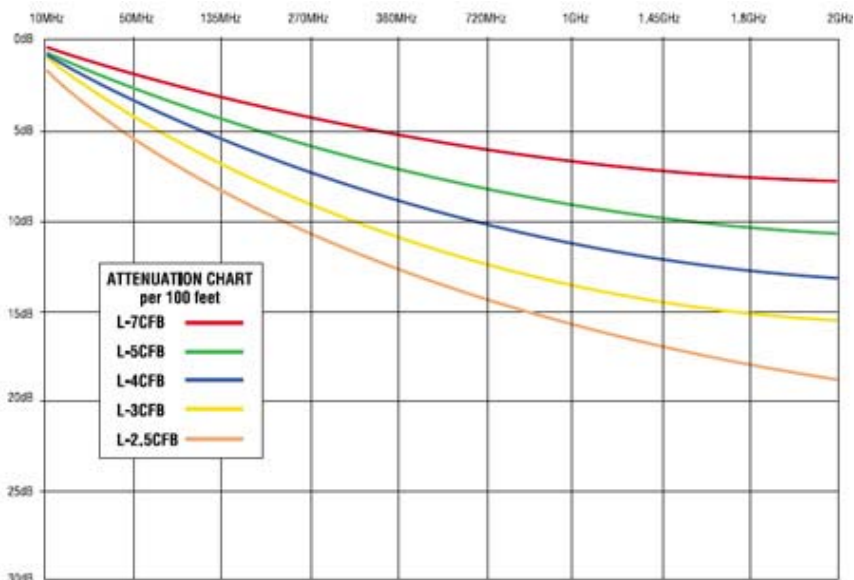
Model	Cond. D.C.R. ohm/1000ft (ohm/100m)	Shield D.C.R. ohm/1000ft (ohm/100m)	Nom. Cap. @1KHz (pF/m)	Nom. Imp. ohm	Velocity of Prop.	Serial Digital Transmission Lengths @ 270 Mb/s **
L-2.5CFB	<28.35 (<9.3)	<7.3 (<2.4)				470 ft min. 614 ft max
L-3CFB	<16.8 (<5.5)	<4.3 (<1.4)				650 ft min. 830 ft max
L-4CFB	<11.0 (<3.6)	<3.0 (<1.0)	55	75	79%	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	Len. ft (m)	10M	50M	135M	270M	360M	720M	1G	1.45G	1.8G	2G
		Hz dB	Hz dB	Hz dB	Hz dB	Hz dB	Hz dB	Hz dB	Hz dB	Hz dB	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