

**APPLICATIONS**

- SERIAL DIGITAL VIDEO (SDI)
- SATELLITE HEAD ENDS
- HDTV UPGRADES (DTV)
- BROADBAND FACILITIES

**L-2.5CFB**

- micro coax
- 25 AWG



.157

**L-3CFB**

- mini coax
- 22 AWG



.217

**L-4CFB**

- RG59 type
- 20 AWG



.240

**L-5CFB**

- RG6 type
- 18 AWG



.303

**L-7CFB**

- RG11 type
- 15 AWG



.402



**Center Conductor:** Solid Annealed Copper

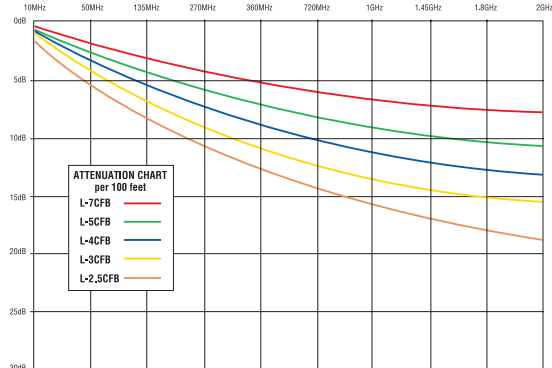
**Low Loss Dielectric:** Foam Polyethylene, strips clean

**Aluminum Foil:** Easy peel for quick assembly  
100% Shield Coverage

**Tightly Woven Braid Shield:** Tinned Copper

**Colors:** 7 Matte Finish PVC Jacket Selections

COLORS AVAILABLE						
Model	BLK	BLU	GRN	RED	YEL	PPL
L-2.5CFB	■					
L-3CFB	■	■	■	■	■	■
L-4CFB	■	■	■	■	■	■
L-5CFB	■	■	■	■	■	■



**Structural Return Loss**  
≥20 dB to 2GHz

**L-CFB SERIES**

CANARE 75Ω precision digital video cable, 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.

**Tech Note:** Serial Digital video signals are transmitted at very high data bit rates and should be handled quite differently than traditional baseband analog video lines. Typical digital frequency platform bandwidths range from 143 MHz for Composite digital video, 270 MHz for Component digital video and 360 MHz for the proposed HDTV rate. Commonly used 75Ω coaxial cables like RG59 and 8281 are generally acceptable for analog baseband video and may even be used for short runs of digital video transmission. But, in a modern facility system design, where new SERIAL DIGITAL equipment installations require long tie lines and multiple I/O's, it is important to consider the 75Ω Coaxial Cable selection along with "Impedance Matching" BNC Connectors and Patchbays to maximize the overall electrical length and achieve optimum results.

Model	MECHANICAL SPECIFICATIONS								ELECTRICAL PERFORMANCE							
	Stand. Length	Weight Stand. Length (lbs)	Nom. O. D. (inch)	PVC Jacket Thickness (mm)	Brittle Point (°F)	Conductor Material	Cond. O.D. (inch)	Dielectric Insulation Type	Insulation O.D. (inch)	Shield Materials & Coverage	Cond. D.C.R. Ω/1000ft (Ω/100m)	Shield D.C.R. Ω/1000ft (Ω/100m)	Nom. Cap. @1KHz (pF/ft)	Nom. Imped. Ohms	Velocity of Prop.	Serial Digital Transmission Lengths @ 270 Mb/s
L-2.5CFB	984ft 300m	17 7	.157 4.0	.020 0.5	-22 -30	Bare Copper 25	.02 .5	Foam PE	.094 2.4	Al Foil 100% TAC Braid >92%	<28.35 <9.3	<7.3 <2.4	17 55	75Ω	79%	470 ft min. 614 ft max.
L-3CFB	984ft 300m	29 13	.217 5.5	.035 .9	-22 -30	Bare Copper 22	.026 .65	Foam PE	.122 3.1	Al Foil 100% TAC Braid >91%	<16.8 <5.5	<4.3 <1.4	17 55	75Ω	79%	650 ft min. 830 ft max.
L-4CFB	984ft 300m	33 15	.240 6.1	.035 0.9	-22 -30	Bare Copper 20	.032 0.80	Foam PE	.146 3.7	Al Foil 100% TAC Braid >93%	<11.0 <3.6	<3.0 <1.0	17 55	75Ω	79%	710 ft min. 920 ft max.
L-5CFB	984ft 300m	49 22	.303 7.7	.043 1.1	-22 -30	Bare Copper 18	.041 1.05	Foam PE	.192 4.9	Al Foil 100% TAC Braid >93%	<7.0 <2.3	<2.1 <0.7	17 55	75Ω	79%	940 ft min. 1,210 ft max.
L-7CFB	984ft 300m	86 39	.402 10.2	.039 1.0	-22 -30	Bare Copper 15	.059 1.50	Foam PE	.287 7.3	Al Foil 100% TAC Braid >96%	<3.1 <1.0	<1.4 <0.5	17 55	75Ω	79%	1,280 ft min. 1,660 ft max.

\* Dielectric Strength = 1000V AC / 1min. Insulation resistance/3Mft = >1000MΩ.

\*\* For reference only.

Model	CABLE / CONNECTOR ASSEMBLY ITEMS			
	CANARE 75Ω Connectors			Die Set
	BNC	F	RCA	Die Set
L-2.5CFB	BCP-C25F	-	-	TCD-35CA
L-3CFB	BCP-C3F	FP-C3F	RCAP-C3F	TCD-35CA
L-4CFB	BCP-C4F	FP-C4F	RCAP-C4F	TCD-451CA
L-5CFB	BCP-C5FA	FP-C5F	RCAP-C5F	TCD-5CF
L-7CFB	BCP-C7FA	FP-C7FA	-	TCD-7CA

Model	NOMINAL ATTENUATION VALUE									
	10MHz	50MHz	135MHz	270MHz	360MHz	720MHz	1GHz	1.45Ghz	1.8Ghz	2GHz
L-2.5CFB	1.6	3.1	4.6	6.5	7.6	10.9	13.0	15.8	17.8	18.9
	5.8	10.5	15	21.2	24.8	35.7	44.4	52.0	58.4	62.0
L-3CFB	1.0	2.5	3.7	5.2	6.1	8.9	10.6	13.0	14.7	15.6
	3.2	8.0	12.3	17.2	20.0	29.1	34.7	42.6	48.3	51.2
L-4CFB	0.9	2.0	3.1	4.4	5.1	7.4	8.9	10.9	12.4	13.2
	2.9	6.6	10.2	14.5	16.7	24.3	29.1	35.8	40.7	43.3
L-5CFB	0.7	1.6	2.5	3.5	4.1	5.9	7.1	8.8	10.1	10.7
	2.2	5.3	8.1	11.5	13.4	19.4	23.3	29.0	33.1	35.1
L-7CFB	0.5	1.2	1.8	2.5	2.9	4.2	5.2	6.4	7.3	7.8
	1.6	3.8	5.8	8.1	9.4	13.9	16.8	21.0	24.1	25.7