

CABLE SPECIFICATION

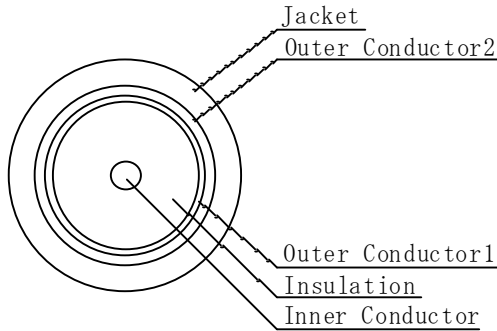


Canare Electric Co., Ltd.

Model	L-5CFW	Ver2.4
Applications	HDTV-SDI Coaxial Cable for mobile use *Analog Video *Serial Digital Video <SDTV-SDI, HDTV-SDI>	

Physical Characteristics		Dimensions	Specifications	Remarks
Inner Conductor	Structure	mm/qty (mil/)	A1.05/1 (41.34/)	Annealed Copper
	Nom. Cross Section Area	mm ² (mil ²)	0.87 (1348.5)	18AWG
	Outer Diameter	mm (mil)	1.05 (41.34)	
Insulation	Type		FPE	Gas Injected Foam polyethylene
	Thickness	mm (mil)	1.98 (77.95)	
	Outer Diameter	mm (Inch)	5.00 (0.197)	
Outer Conductor1	Type	mm/piece/carr(mil/)	A0.12/ 7/24 (4.72/)	Annealed Copper
	Thickness	mm (mil)	—	
	Coverage	%	> 93	
Outer Conductor2	Type	mm/piece/carr(mil/)	A0.12/ 9/24 (4.72/)	Annealed Copper
	Thickness	mm (mil)	—	
	Coverage	%	> 96	
Jacket	Type		PVC	Color:Blk, Red, Grn
	Thickness	mm (mil)	0.8 (31.50)	Custom colors available.
	Overall Diameter	mm (Inch)	7.7 (0.30)	
	Marking		HDTV-SDI 75Ω Coaxial Cable L-5CFW CANARE <Year code> MADE IN JAPAN	Brittle Temp. -30°C (-22°F)
Weight	kg/100m(lbs/1000ft)		8.1 (54.4)	

Cable Cross Section



Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks
D. C. Resistance	Inner Conductor	Ω/100m (/1000ft)	≤ 2.3 (≤7.1)	Attenuation dB/100m (/1000ft)
	Outer Conductor	Ω/100m (/1000ft)	≤ 0.5 (≤1.5)	
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	1000 (1000)	10MHz 2.1 (6.4)
Insulation Resistance	Between Conductors	MΩ·km (.3000ft)	>= 1000 (>=1000)	30MHz 3.6 (11.0)
Char. Impedance		Ω at 10MHz	75±3	72MHz 5.6 (17.1)
Capacitance	Between Conductors	pF/m (pF/ft)	55 (16.8)	88MHz 6.2 (18.9)
Attenuation		dB/100m (/1000ft)	→	135MHz 7.8 (23.8)
				180MHz 9.0 (27.4)
				270MHz 11.2 (34.1)
				750MHz 19.4 (59.1)
				1.5GHz 28.4 (86.6)
				2.4GHz 37.1 (113.1)
				3.0GHz 42.2 (128.6)

Mechanical Characteristics		Dimensions	Specifications	Remarks
Tensile Strength	Jacket	MPa	>= 14.0	
		%	>= 230	

Environment Characteristics	Specifications	Remarks
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: 50°C ±1°C Duration: 24 hours ±1 hour (humidity not designated) Load: 500g ±25g
Flame Retardance	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS-C3005.

Note: Testing must be performed under standard conditions set down in "JIS C 60068-1 General Environmental Testing Rules(Electric/Electronics)."

Standard Conditions: Unless otherwise specified, all tests and measurements should be performed within a normal temperature range of 15-35°C, a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.