

CABLE SPECIFICATION

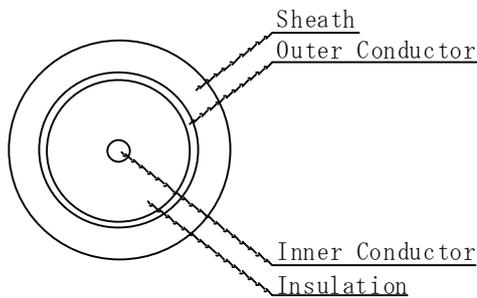
Model L-5C2V
Applications 75Ω Coaxial Cable.

SAA133E Ver1.9



Physical Characteristics		Unit	Standard Value		Note
Inner Conductor	Construction	qty/mm (/mil)	1/A0.80	(/31.50)	Annealed Copper 20AWG
	Nom. Cross Section Area	mm ² (mil ²)	0.50	(775.0)	
	Outer Diameter	mm (mil)	0.80	(31.50)	
Insulation	Type		PE		Polyethylene
	Thickness	mm (mil)	2.05	(80.71)	
	Outer Diameter	mm (Inch)	4.90	(0.193)	
Outer Conductor	Construction	mm/end/carr (mil/)	TA0.14/ 7/24	(5.51/)	Tinned Annealed Copper
	Thickness	mm (mil)	—		
	Coverage	%	>94		
Sheath	Type		PVC		Color: Blk, Red, Yel, Grn, Blu, Gry, Wht. Custom colors available. Temperature Range -25°C to +60°C
	Thickness	mm (mil)	1.0	(39.37)	
	Overall Diameter	mm (Inch)	7.4	(0.29)	
	Marking		75Ω Coaxial Cable L-5C2V CANARE <Year code> MADE IN JAPAN		
Weight		kg/100m (lbs/1000ft)	7.2	(48.4)	

Cable Cross Section



Electrical Characteristics (Nominal)		Unit	Standard Value		Note
D. C. Resistance	Inner Conductor	Ω/100m (/1000ft)	≤ 3.6 (≤11.1)		Attenuation dB/100m (/1000ft)
	Outer Conductor	Ω/100m (/1000ft)	≤ 0.8 (≤2.5)		
Voltage Proof	Min. Breakdown Voltage.	VAC·1min	1000 (1000)		10MHz 2.7 (8.2) 30MHz 4.7 (14.3)
Insulation Resistance	Between Conductors	MΩ·km (·3000ft)	≥ 1000 (≥1000)		72MHz 7.2 (21.9)
Char. Impedance		Ω at 10MHz	75±3		88MHz 8.0 (24.4)
Capacitance	Between Conductors	pF/m (pF/ft)	67±3 (20.4)		135MHz 9.9 (30.2)
Attenuation		dB/100m (/1000ft)	→		180MHz 11.5 (35.1)
					270MHz 14.4 (43.9)
					750MHz 23.4 (71.3)

Mechanical Characteristics		Unit	Standard Value		Note
Tensile Strength	Sheath	MPa	≥ 10.0		
		%	≥ 190		
Tension tolerance		N	≤ 35		
Bending radius	Fixed		≥ 4x Cable OD		
	Installation		≥ 10x Cable OD		

Environment Characteristics	Specifications	Note
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	A vertical specimen of an insulated conductor shall not flame longer than 60s following five 15s applications of flame.	The VW-1 flame test specified in UL1581.
	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C 3005.

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.