

CABLE SPECIFICATION

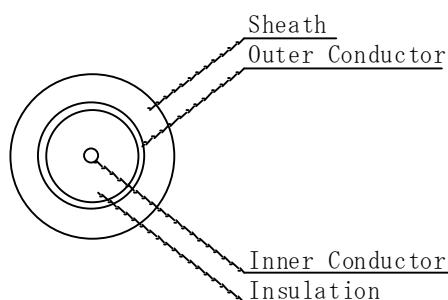
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Model L-3C2V SAA132E Ver1.8
Applications 75Ω Coaxial Cable.

Physical Characteristics		Unit	Standard Value		Note
Inner Conductor	Constructon	qty/mm (/mil)	1/A0.50	(/19.69)	Annealed Copper
	Nom. Cross Section Area	mm ² (mil ²)	0.20	(310.0)	25AWG
	Outer Diameter	mm (mil)	0.50	(19.69)	
Insulation	Type		PE		Polyethylene
	Thickness	mm (mil)	1.30	(51.18)	
	Outer Diameter	mm (Inch)	3.10	(0.122)	
Outer Conductor1	Constructon	mm/end/carr (mil/)	TA0.14/ 5/24	(5.51/)	Tinned Annealed Copper
	Thickness	mm (mil)	—		
	Coverage	%	>97		
Outer Conductor2	Type		—		
	Thickness	mm (mil)	—		
	Coverage	%	—		
Sheath	Type		PVC		Color:Blk, Red, Yel, Grn, Blu, Gry, Wht.
	Thickness	mm (mil)	0.9	(35.43)	Custom colors available.
	Overall Diameter	mm (Inch)	5.4	(0.21)	Temperature Range -25°C to +60°C
Marking			75Ω Coaxial Cable L-3C2V CANARE <Year code> MADE IN JAPAN		
Weight		kg/100m (lbs/1000ft)	4.3	(28.9)	

Cable Cross Section



Electrical Characteristics (Nominal)		Unit	Standard Value		Note
D. C. Resistance	Inner Conductor	Ω/100m (/1000ft)	≤ 9.3	(≤28.4)	Attenuation dB/100m (/1000ft) 10MHz 4.1 (12.5) 30MHz 7.2 (21.9) 72MHz 11.3 (34.4) 88MHz 12.5 (38.1) 135MHz 15.7 (47.9) 180MHz 18.3 (55.8) 270MHz 22.8 (69.5) 750MHz 40.0 (121.9)
	Outer Conductor	Ω/100m (/1000ft)	≤ 1.2	(≤3.6)	
Voltage Proof	Min. Breakdown Voltage.	VAC·1min	1000	(1000)	
Insulation Resistance	Between Conductors	MΩ·km (·3000ft)	≥ 1000	(≥1000)	
Char. Impedance		Ω at 10MHz	75±3		
Capacitance	Between Conductors	pF/m (pF/ft)	67±3	(20.4)	
Attenuation		dB/100m (/1000ft)	→		

Mechanical Characteristics		Unit	Standard Value	Note
Tensile Strength	Sheath	MPa	≥ 10.0	
		%	≥ 190	
Tension tolerance		N	≤ 14	
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	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.