CABLE SPECIFICATION

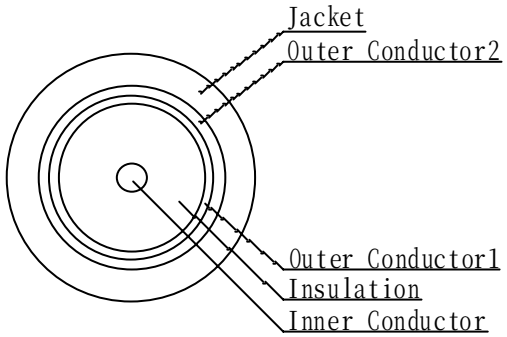
Model L－5C2W Ver1.7

Applications 75Ω Coaxial Cable

Canare Electric Co.,Ltd.

Physical Characteristics		Dimensions	Specifications		Remarks
Inner Conductor	Structure	mm/qty (mil/)	A0.80/1	(31.50/)	Annealed Copper
	Nom.Cross Section Area	mm² (mil□)	0.50	(775.0)	20AWG
	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 Conductor1	Type	mm/piece/carr(mil/)	TA0.14/ 7/24	(5.51/)	Tinned Annealed Copper
	Thickness	mm (mil)	—		
	Coverage	%	>94		
Outer Conductor2	Type	mm/piece/carr(mil/)	TA0.14/ 7/24	(5.51/)	Tinned Annealed Copper
	Thickness	mm (mil)	—		
	Coverage	%	>95		
Jacket	Type		PVC		Color:Blk.
	Thickness	mm (mil)	1.1	(43.31)	Custom colors available.
	Overall Diameter	mm (Inch)	8.3	(0.33)	
					Brittle Temp. -25°C(-13°F)
	Marking		75Ω Coaxial Cable L-5C2W CANARE <Year code> MADE IN JAPAN		
Weight		kg/100m(lbs/1000ft)	11	(73.9)	

Cable Cross Section



Electrical Characteristics (Nominal)		Dimensions	Specifications		Remarks		
D.C.Resistance	Inner Conductor	Ω/100m (/1000ft)	<= 3.6	(<=11.1)	Attenuation dB/100m		(/1000ft)
	Outer Conductor	Ω/100m (/1000ft)	<= 0.5	(<=1.4)	10MHz	2.5	(7.6)
Voltage Withstanding	Min.Breakdown Voltage.	VAC·1min	1000	(1000)	30MHz	4.5	(13.7)
Insulation Resistance	Between Conductors	MΩ·km (·3000ft)	>= 1000	(>=1000)	72MHz	7.1	(21.6)
Char.Impedance		Ω at 10MHz	75±3		88MHZ	7.9	(24.1)
Capacitance	Between Conductors	pF/m (pF/ft)	67±3	(20.4)	135MHz	9.9	(30.2)
Attenuation			→		180MHz	11.6	(35.4)
					270MHz	14.4	(43.9)
					750MHz	25.7	(78.3)

Mechanical Characteristics		Dimensions	Specifications	Remarks
Tensile Strength	Jacket	MPa	>= 10.0	
		%	>= 190	

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 C 3005.

Note: Testing must be performed under standard conditions set down in "JIS C 60068-1 General Environmental Tesing 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.