

CABLE SPECIFICATION

1/2

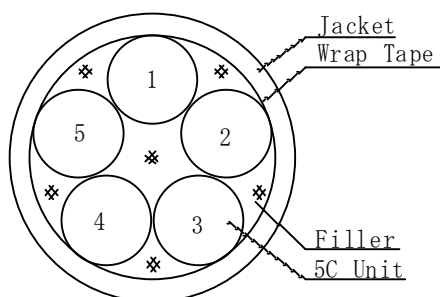
Model	V5-5C	SAA072E 2.1
Applications	Multi-Channel 75Ω Coaxial Cable	



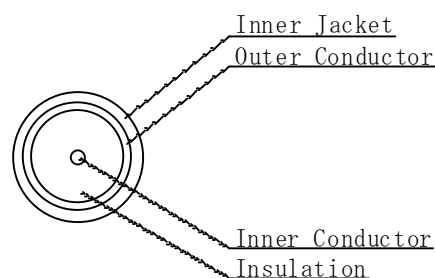
Canare Electric Co., Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Unit			5	
Inner Conductor	Structure	mm/qty (mil/)	A0.26/ 7 (10.24/)	Annealed Copper
	Nom. Cross Section Area	mm ² (mil□)	0.37 (573.5)	22AWG
	Outer Diameter	mm (mil)	0.78 (30.71)	
Insulation	Type		PE	
	Thickness	mm (mil)	2.01 (79.13)	
	Outer Diameter	mm (Inch)	4.80 (0.189)	
Outer Conductor	Type	mm/piece/carr (mil/)	A0.12/ 7/24 (4.72/)	Annealed Copper
	Thickness	mm (mil)	—	
	Coverage	%	>93	
Inner Jacket	Type		PVC	Color:Red/Grn/Blu/Wht/Yel
	Thickness	mm (mil)	0.3 (11.81)	
	Overall Diameter	mm (Inch)	6.0 (0.24)	
Wrap Tape Jacket	Thickness	mm (mil)	0.05 (1.97)	Paper Tape
	Type		PVC	Filler Materials : Jute
	Thickness	mm (mil)	1.4 (55.12)	Color:Black
	Overall Diameter	mm (Inch)	19.2 (0.76)	Brittle Temp. -30°C (-22°F)
	Marking		75Ω Coaxial Cable V5-5C <Year code> MADE IN JAPAN	CANARE
Weight		kg/100m (lbs/1000ft)	39 (262.1)	

Cable Cross Section



Unit



Channel Color Code				
1	2	3	4	5
RED	GRN	BLU	WHT	YEL

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks		
D. C. Resistance	Inner Conductor	Ω /100m (/1000ft)	≤ 5.1 (≤ 15.5)	Attenuation dB/100m (/1000ft)		
	Outer Conductor	Ω /100m (/1000ft)	≤ 1.2 (≤ 3.7)			
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	1000 (1000)	10MHz	2.9	(8.8)
Insulation Resistance	Between Conductors	M Ω ·km (·3000ft)	≥ 1000 (≥ 1000)	30MHz	5.2	(15.8)
Char. Impedance		Ω at 10MHz	75 \pm 3	72MHz	8.1	(24.7)
Capacitance	Between Conductors	pF/m (pF/ft)	67 \pm 3 (20.4)	88MHz	9.0	(27.4)
Attenuation		dB/100m (/1000ft)	\rightarrow	135MHz	11.4	(34.7)
				180MHz	13.3	(40.5)
				270MHz	16.5	(50.3)
				750MHz	29.2	(89.0)

Mechanical Characteristics (Nominal)		Dimensions	Specifications	Remarks
Tensile Strength	Jacket	MPa	≥ 11.0	
		%	≥ 220	

<i>Environment Characteristics</i>	<i>Specifications</i>	<i>Remarks</i>
<i>Migration</i>	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: 50°C \pm 1°C Duration: 24 hours \pm 1 hour (humidity not designated) Load: 500g \pm 25g
<i>Flame Retardance</i>	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C 3005.
	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.

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.