

# CABLE SPECIFICATION

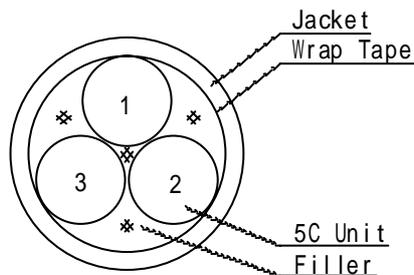
Model V 3 - 5 C Ver2.1  
 Applications Multi-Channel 75 Coaxial Cable



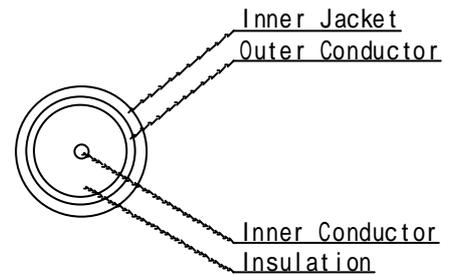
Canare Electric Co.,Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Unit			3	
Inner Conductor	Structure	mm/qty (mil/)	A0.26/ 7 (10.24/ )	Annealed Copper 22AWG
	Nom. Cross Section Area	mm <sup>2</sup> (mil)	0.37 (573.5)	
	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
	Thickness	mm (mil)	0.3 (11.81)	
	Overall Diameter	mm (Inch)	6.0 (0.24)	
Wrap Tape	Thickness	mm (mil)	0.05 (1.97)	Paper Tape
	Type		PVC	Filler Materials : Jute
Jacket	Thickness	mm (mil)	1.2 (47.24)	Color:Black
	Overall Diameter	mm (Inch)	15.5 (0.61)	Brittle Temp. -30° C (-22° F)
	Marking		75 Coaxial Cable V3-5C <Year code> MADE IN JAPAN	CANARE
Weight		kg/100m(lbs/1000ft)	26 (174.7)	

## Cable Cross Section



## Unit



Channel Color Code				
1	2	3	4	5
RED	GRN	BLU		

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks	
D.C. Resistance	Inner Conductor	/100m (/1000ft)	<= 5.1 (<=15.4)	Attenuation dB/100m (/1000ft)	
	Outer Conductor	/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 · km (-3000ft)	>= 1000 (>=1000)		30MHz 5.2 (15.8)
Char. Impedance		at 10MHz	75 ± 3		72MHz 8.1 (24.7)
Capacitance	Between Conductors	pF/m (pF/ft)	67 ± 3 (20.4)	88MHz 9.0 (27.4)	
Attenuation				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 ±1 Duration: 24 hours ±1 hour (humidity not designated) Load: 500g ±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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.