

CABLE SPECIFICATION

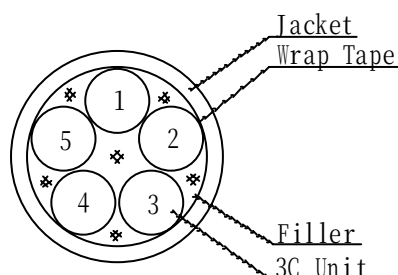
1/2

Model	V 5 - 3 C	Ver3.1
Applications	Multi-Channel 75Ω Coaxial Video Cable	

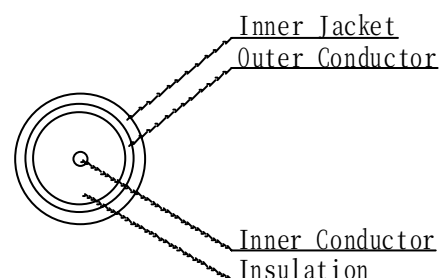


Physical Characteristics		Dimensions	Specifications	Remarks
No. of Unit			5	
Inner Conductor	Structure	mm/qty (mil/)	A0.18/ 7 (7.09/)	Annealed Copper
	Nom. Cross Section Area	mm ² (mil ²)	0.18 (279.0)	25AWG
	Outer Diameter	mm (mil)	0.54 (21.26)	
Insulation	Type		PE	Polyethylene
	Thickness	mm (mil)	1.28 (50.39)	
	Outer Diameter	mm (Inch)	3.10 (0.122)	
Outer Conductor1	Type	mm/piece/carr(mil/)	A0.14/ 5/24 (5.51/)	Annealed Copper
	Thickness	mm (mil)	—	
	Coverage	%	>97	
Outer Conductor2	Type	mm/piece/carr(mil/)	—	
	Thickness	mm (mil)	—	
	Coverage	%	—	
Inner Jacket	Type		PVC	Color:Red/Grn/Blu/Wht/Yel
	Thickness	mm (mil)	0.3 (11.81)	
	Overall Diameter	mm (Inch)	4.4 (0.17)	
Wrap Tape	Thickness	mm (mil)	0.05 (1.97)	Paper Tape
Jacket	Type		PVC	Filler Materials : Jute
	Thickness	mm (mil)	1.1 (43.31)	Color:Black
	Overall Diameter	mm (Inch)	14.2 (0.56)	Brittle Temp. -30° C (-22° F)
	Marking		75Ω Coaxial Cable V5-3C <Year code> MADE IN JAPAN	CANARE
Weight		kg/100m(lbs/1000ft)	24 (161.3)	

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)	≤ 10.6 (≤32.3)	Attenuation dB/100m (/1000ft)
	Outer Conductor	Ω/100m (/1000ft)	≤ 1.1 (≤3.4)	
Voltage Withstanding	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)	→	
				10MHz 4.5 (13.7)
				30MHz 7.9 (24.1)
				72MHz 12.4 (37.8)
				88MHz 13.7 (41.8)
				135MHz 17.2 (52.4)
				180MHz 20.0 (61.0)
				270MHz 24.8 (75.6)
				750MHz 43.2 (131.7)
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.