

CABLE SPECIFICATION

1/2

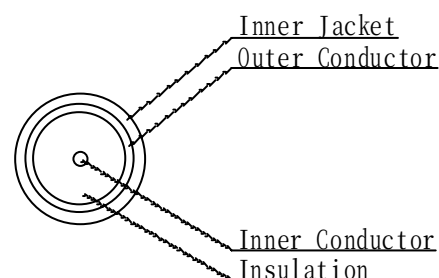
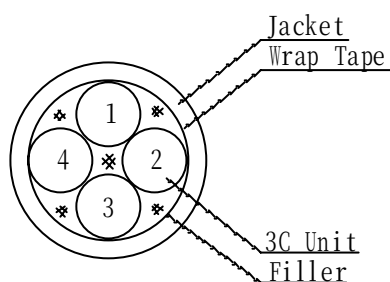
Model	V 4 - 3 C	Ver3.1
Applications	Multi-Channel 75Ω Coaxial Video Cable	



Physical Characteristics		Dimensions	Specifications	Remarks
No. of Unit			4	
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
	Thickness	mm (mil)	0.3 (11.81)	
	Overall Diameter	mm (Inch)	4.4 (0.17)	
Wrap Tape Jacket	Thickness	mm (mil)	0.05 (1.97)	Paper Tape
	Type		PVC	Filler Materials : Jute
	Thickness	mm (mil)	1.1 (43.31)	Color: Black
	Overall Diameter	mm (Inch)	13.0 (0.51)	Brittle Temp. -30° C (-22° F)
	Marking		75Ω Coaxial Cable V4-3C <Year code> MADE IN JAPAN	CANARE
Weight		kg/100m (lbs/1000ft)	20 (134.4)	

Cable Cross Section

Unit



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

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks
D.C. Resistance	Inner Conductor	Ω/100m (/1000ft)	≤ 10.6 (≤32.2)	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)
	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)	→	
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.