

CABLE SPECIFICATION

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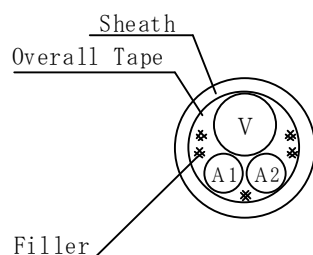
Model A 2 V 1 B SAA166E Ver1.7

Applications Composite Cable ; Video + Audio

Description Coaxial (Video)_1, Shielded-Starquad (Audio)_2

UNIT-Type			Diameter mm (mil)		Note
Coaxial Unit	3C Unit	V	4.4	(0.17)	Color:Yel
Audio Unit	4E3 Unit	A1, A2	3.4	(0.13)	Color:Blk, Gry
Physical Characteristics			Unit		Note
Overall Tape	Thickness	mm (mil)	0.16	(6.30)	Non Woven Fabric Tape
Outer Shield	Type	mm/piece (mil/)	—		Filler Materials : Jute
	Coverage	%	—		
Drain Wire	Structure	mm/qty (mil/)	—		
	Gage		—		
Sheath	Type	PVC			Color:Black
	Thickness	mm (mil)	1.2	(47.24)	
	Overall Diameter	mm (Inch)	11.1	(0.44)	Brittle Temp. -20°C (- 4°F)
	Marking		A2V1B CANARE	<Year code>	MADE IN JAPAN
Weight		kg/100m (lbs/1000ft)	13.0	(87.4)	

Cable Cross Section



Electrical Characteristics (Nominal)		Unit	Standard Value		Note	
Coaxial-Unit Section						
D. C. Resistance	Inner Conductor	$\Omega/100m$ (/1000ft)	≤ 10.5	(≤ 32.0)	Attenuation dB/100m (/1000ft)	
	Outer Conductor	$\Omega/100m$ (/1000ft)	≤ 1.1	(≤ 3.4)	10MHz	4.5 (13.7)
Voltage Proof	Min. Breakdown Voltage.	VAC·1min	1000	(1000)	30MHz	7.9 (24.1)
Insulation Resistance	Between Conductors	M Ω ·km (·3000ft)	≥ 1000	(≥ 1000)	72MHz	12.4 (37.8)
Char. Impedance		Ω at 10MHz	75 $\pm$ 3		88MHz	13.7 (41.8)
Capacitance	Between Conductors	pF/m (pF/ft)	67 $\pm$ 3	(20.4)	135MHz	17.2 (52.4)
Attenuation		dB/100m (/1000ft)	—		270MHz	24.8 (75.6)
Velocity of Propagation		%	66		750MHz	43.2 (131.7)
Audio-Unit Section						
Rated Voltage		V	AC 60			
Rated Current			—			
D. C. Resistance	Conductor	$\Omega/100m$ (/1000ft)	≤ 24.8	(≤ 75.6)		
	Shield Conductor	$\Omega/100m$ (/1000ft)	≤ 3.4	(10.4)		
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	500	(500)		
Insulation Resistance	Between Conductors	M Ω ·km (·3000ft)	≥ 1000	(≥ 1000)		

Environment Characteristics	Specifications	Note
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 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.

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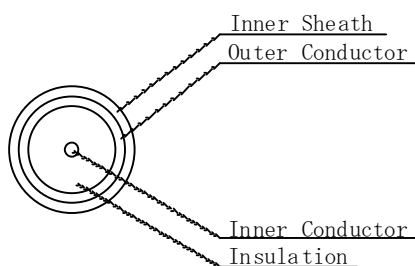
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Model <Unit> 3 C Unit Ver4.0
Applications 75Ω Coaxial Video Cable.



Physical Characteristics		Unit	Standard Value		Remarks
Inner Conductor	Construction	qty/mm (/mil)	7/ A0.18	(/7.09)	Annealed Copper
	Nom. Cross Section Area	mm ² (mil□)	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)	
	Type	carr/end/mm (/mil)	—		
	Thickness	mm (mil)	—		
Outer Conductor	Coverage	%	—		
	Type	carr/end/mm (/mil)	24/ 5/A0.14	(/5.51)	Annealed Copper
	Thickness	mm (mil)	—		
Inner Sheath	Coverage	%	>=97		
	Type		PVC		
	Thickness	mm (mil)	0.3	(11.81)	
	Overall Diameter	mm (Inch)	4.4	(0.17)	

Cable Cross Section



Mechanical Characteristics		Unit	Standard Value		Remarks
Tensile Strength	Sheath	MPa	—		
		%	—		
Environment Characteristics	Specifications		Note		
Flame Retardance	—		—		
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		

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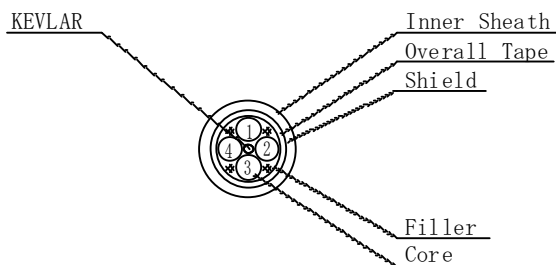
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Model <Unit> 4E3 Unit Ver4.5
Applications Audio Cable for Microphone, Line

Physical Characteristics		Unit	Standard Unit		Note
No. of Cond. Conductor	Construction	qty/mm (mil/)	4		Quad
	Nom. Cross Section Area	mm ² (mil□)	7/A0.12	(/4.72)	Annealed Copper
	Outer Diameter	mm (mil)	0.08	(124.0)	28AWG
Insulation	Type		XLPE		Crosslinked Polyethylene
	Thickness	mm (mil)	0.36	(14.17)	Color:Blu & Wht
	Outer Diameter	mm (Inch)	0.27	(10.63)	
Pair/Quad Strand Shield	Pitch	mm (Inch)	0.90	(0.035)	
	Type	carr/end/mm (/mil)	<= 16.0		Filler Materials : Cotton/KEVLAR
	Thickness	mm (mil)	16/ 6/A0.10	(/3.94)	Annealed Copper
Inner Sheath	Coverage	%	-		
	Type		>= 93		
	Thickness	mm (mil)	PVC		Color:Blk, Gry
	Overall Diameter	mm (Inch)	0.3	(11.81)	
			3.4	(0.13)	

Cable Cross Section



Mechanical Characteristics (Nominal)		Unit	Standard Value	Note
Tensile Strength	Sheath	MPa	—	
		%	—	
Environment Characteristics	Specifications		Remarks	
Flame Retardance	Flame must extinguish naturally within 60 seconds.		Perform inclination test according to JIS C 3005.	