

CABLE SPECIFICATIONS

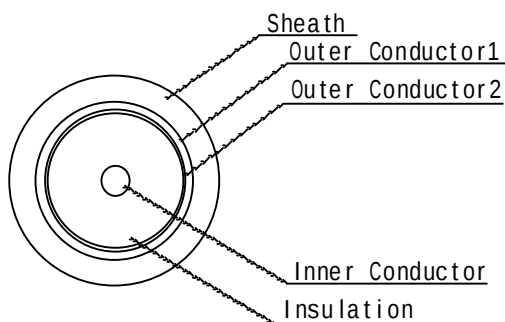
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Model L - 2.5 CHD SAA278E Ver1.2
Applications 75Ω Coaxial Video Cable
*Serial Digital Video <SDTV-SDI, HDTV-SDI>



Physical Characteristics		Units	Standard Value		Note
Inner Conductor	Construction	mm/qty (mil/)	A0.59/1 (23.23/)		Annealed Copper
	Nom.Cross Section Area	mm ² (mil□)	0.27 (418.5)		23AWG
	Outer Diameter	mm (mil)	0.59 (23.23)		
Insulation	Type		FPE		Gas Injected Foam polyethylene
	Thickness	mm (mil)	1.00 (39.37)		
	Outer Diameter	mm (Inch)	2.59 (0.102)		
Outer Conductor1	Type		Aluminum tape		
	Thickness	mm (mil)	0.06 (2.36)		
	Coverage	%	100		
Outer Conductor2	Construction	mm/end/carr(mil/)	TA0.12/ 7/16 (4.72/)		Tinned Annealed Copper
	Thickness	mm (mil)	-		
	Coverage	%	>95		
Sheath	Type		PVC		Color:Blk,Red,Yel,Grn,Blu,Gry, Wht. Custom colors available. Brittle Temp. -20° C(-4° F)
	Thickness	mm (mil)	0.5 (19.69)		
	Overall Diameter	mm (Inch)	4.2 (0.17)		
	Marking				
			UHDTV-SDI 75Ω Coaxial Cable L-2.5CHD CANARE <Year code> MADE IN JAPAN E316792 (UL) CMR 75 23AWG OR C(UL) CMR 75 23AWG		
Weight		kg/100m(lbs/1000ft)	2.6 (17.5)		

Cable Cross Section



Electrical Characteristics (Nominal)		Unit	Standard Value		Note		
D.C.Resistance	Inner Conductor	$\Omega/100m$ (/1000ft)	<= 6.7 (<=20.4)		Attenuation dB/100m (/1000ft)		
	Outer Conductor	$\Omega/100m$ (/1000ft)	<= 1.7 (<=5.2)				
Voltage Proof	Min.Breakdown Voltage.	VAC·1min	1000 (1000)		10MHz	4.1	(12.5)
Insulation Resistance	Between Conductors	M Ω ·km (·3000ft)	>= 1000 (>=1000)		30MHz	6.5	(19.8)
Char. Impedance		Ω at 10MHz	75 $\pm$ 3		72MHz	9.5	(29.0)
Capacitance	Between Conductors	pF/m (pF/ft)	53 (16.2)		88MHz	10.4	(31.7)
Attenuation		dB/100m (/1000ft)	$\rightarrow$		135MHz	12.6	(38.4)
					180MHz	14.5	(44.2)
					270MHz	17.8	(54.3)
					750MHz	30.2	(92.0)
					1.5GHz	43.1	(131.4)
					2.4GHz	55.1	(167.9)
					3.0GHz	62.0	(189.0)

Mechanical Characteristics		Unit	Standard Value	Note
Tensile Strength	Sheath	MPa	>= 10.0	
		%	>= 120	

Environment Characteristics	Specifications	Note
Flame Retardance	The temperature of thermocouple is recorded every 10s at 12ft(3.66m),and must not exceed 454.4 .The flame spread must not exceed 12ft(3.66m).	The flame test specified in UL1666.
	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C3005.

Note:Testing must be performed under standard conditions set down in "JIS C60068-1 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.