

# CABLE SPECIFICATIONS

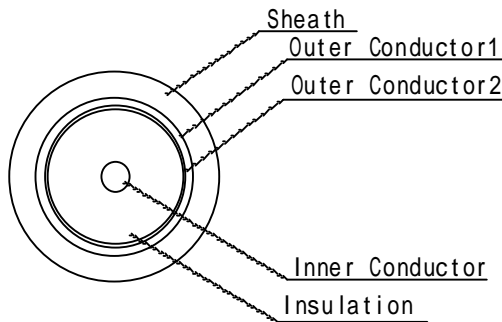


Canare Electric Co.,Ltd.

Model L - 2.5 CHD SAA278E Ver1.2  
 Applications 75 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 23AWG
	Nom.Cross Section Area	mm <sup>2</sup> (mil)	0.27	(418.5)	
	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 75 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	/100m (/1000ft)	<= 6.7	(<=20.4)	Attenuation dB/100m (/1000ft)
	Outer Conductor	/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 · km (·3000ft)	>= 1000	(>=1000)	30MHz 6.5 (19.8)
Char. Impedance		at 10MHz	75 ± 3		72MHz 9.5 (29.0)
Capacitance	Between Conductors	pF/m (pF/ft)	53	(16.2)	88MHz 10.4 (31.7)
Attenuation					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.