

CABLE SPECIFICATION

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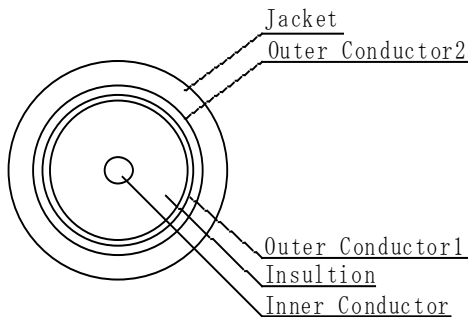
Model L-4.5CHWS SAA289 Ver1.2

Applications HDTV-SDI Coaxial Cable for mobile use
*Analog Video
*Serial Digital Video <SDTV-SDI, HDTV-SDI>

Canare Electric Co., Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
Inner Conductor	Structure	mm/qty (mil/)	A0.34/7 (13.39/)	Annealed Copper
	Nom. Cross Section Area	mm ² (mil ²)	0.64 (992.0)	20AWG
	Outer Diameter	mm (mil)	1.02 (40.16)	
Insulation	Type		FPE	Gas Injected Foam polyethylene
	Thickness	mm (mil)	1.78 (70.08)	
	Outer Diameter	mm (Inch)	4.57 (0.180)	
Outer Conductor1	Type	mm/piece/carr(mil/)	A0.10/ 8/24 (3.94/)	Annealed Copper
	Thickness	mm (mil)	—	
	Coverage	%	>93	
Outer Conductor2	Type	mm/piece/carr(mil/)	A0.10/ 9/24 (3.94/)	Annealed Copper
	Thickness	mm (mil)	—	
	Coverage	%	>95	
Jacket	Type		PVC	Color:Blk,Red,Grn Custom colors available.
	Thickness	mm (mil)	0.9 (33.46)	
	Overall Diameter	mm (Inch)	7.2 (0.28)	
	Marking		HDTV-SDI 75Ω Coaxial Cable L-4.5CHWS CANARE <Year code> MADE IN JAPAN	
Weight	kg/100m(lbs/1000ft)		6.7 (45.0)	

Cable Cross Section



Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks
D. C. Resistance	Inner Conductor	Ω/100m (/1000ft)	≤ 3.3 (≤10.0)	Attenuation dB/100m (/1000ft)
	Outer Conductor	Ω/100m (/1000ft)	≤ 0.7 (≤2.3)	
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	1000 (1000)	10MHz 2.5 (7.6)
Insulation Resistance	Between Conductors	MΩ·km (.3000ft)	≥ 1000 (≥1000)	30MHz 4.3 (13.1)
Char. Impedance		Ω at 10MHz	75±3	72MHz 6.8 (20.7)
Capacitance	Between Conductors	pF/m (pF/ft)	53 (16.2)	88MHz 7.4 (22.6)
		Attenuation		135MHz 9.3 (28.3)
				180MHz 10.7 (32.6)
				270MHz 13.3 (40.5)
				750MHz 22.8 (69.5)
				1.5GHz 33.3 (101.5)
				2.4GHz 43.3 (132.0)
				3.0GHz 49.1 (149.7)

Mechanical Characteristics		Dimensions	Specifications	Remarks
Tensile Strength	Jacket	MPa	≥ 14.0	
		%	≥ 230	

Environment Characteristics	Specifications	Remarks
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: 60°C ±1°C Duration: 72 hours ±1 hour (humidity not designated) Load: 500g ±25g
Flame Retardance	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS-C3005.
	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.