

CABLE SPECIFICATIONS

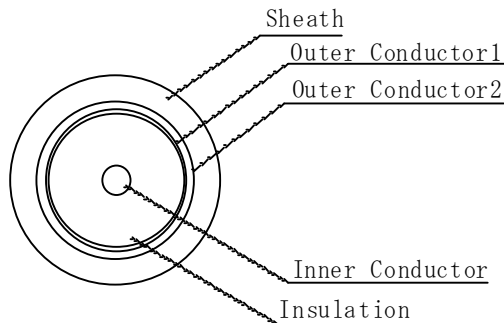


Canare Electric Co., Ltd.

Model L-4.5CHD Ver1.1
 Applications 75Ω Coaxial Video Cable
 *Serial Digital Video <SDTV-SDI, HDTV-SDI>

Physical Characteristics		Unit	Standard Value		Note
Inner Conductor	Construction	mm/qty (mil/)	A1.02/1 (40.16/)		Annealed Copper
	Nom. Cross Section Area	mm ² (mil ²)	0.82 (1271.0)		18AWG
	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		Aluminum tape		Easy peel adhesive
	Thickness	mm (mil)	0.07 (2.76)		
	Coverage	%	100		
Outer Conductor2	Construction	mm/end/carr(mil/)	TA0.14/ 6/24 (5.51/)		Tinned Annealed Copper
	Thickness	mm (mil)	—		
	Coverage	%	>91		
Sheath	Type		PVC		Color:Blk, Red, Orn, Yel, Grg, Blu, Gry, Wht, Brn, Pur. Custom colors available. Brittle Temp. -20°C (-4°F)
	Thickness	mm (mil)	0.9 (35.43)		
	Overall Diameter	mm (Inch)	7.0 (0.28)		
	Marking		HDTV-SDI 75Ω Coaxial Cable L-4.5CHD CANARE <Year code> MADE IN JAPAN E316792 (UL) CMR 75°C 18AWG OR C(UL) CMR 75°C 18AWG		
Weight		kg/100m(lbs/1000ft)	6.2 (41.7)		

Cable Cross Section



Electrical Characteristics (Nominal)		Unit	Standard Value		Note
D. C. Resistance	Inner Conductor	Ω/100m (/1000ft)	≤ 2.3 (≤7.1)		Attenuation dB/100m (/1000ft)
	Outer Conductor	Ω/100m (/1000ft)	≤ 1.0 (≤3.0)		
Voltage Proof	Min. Breakdown Voltage.	VAC·1min	1000 (1000)		10MHz 2.3 (7.0)
Insulation Resistance	Between Conductors	MΩ·km (.3000ft)	≥ 1000 (≥1000)		30MHz 3.7 (11.3)
			Char. Impedance	Ω at 10MHz	75±3
Capacitance	Between Conductors	pF/m (pF/ft)	53 (16.2)		88MHz 6.0 (18.3)
			Attenuation	dB/100m (/1000ft)	→
					180MHz 8.3 (25.3)
					270MHz 10.2 (31.1)
					750MHz 17.4 (53.0)
					1.5GHz 25.1 (76.5)
					2.4GHz 32.3 (98.5)
					3.0GHz 36.5 (111.3)

Mechanical Characteristics		Unit	Standard Value		Note
Tensile Strength	Sheath	MPa	≥ 11.0		
		%	≥ 220		

Environment Characteristics	Specifications	Note
Flame Retardance	The temperature of thermocouple is recorded every 10s at 12ft(3.66m), and must not exceed 454.4°C. 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 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.