

# CABLE SPECIFICATION

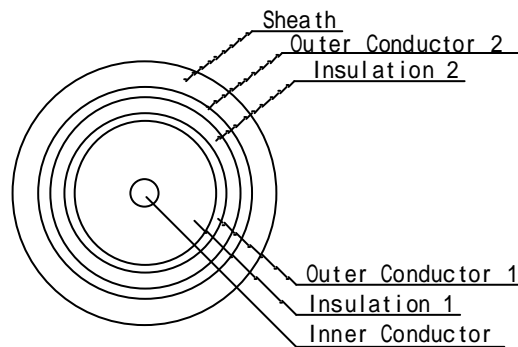


Canare Electric Co., Ltd.

Model L - 5 C F T X Ver2.0  
 Applications 75 Triaxial Cable  
 \*Abrasion resistant sheath

Physical Characteristics		Units	Standard Value		Note
Inner Conductor	Structure	mm/qty (mil/)	A1.00/ 1	(39.37/)	Annealed Copper
	Nom.Cross Section Area	mm <sup>2</sup> (mil)	0.79	(1224.5)	19AWG
	Outer Diameter	mm (mil)	1.00	(39.37)	
Insulation1	Type		FPE		Foam polyethylene
	Thickness	mm (mil)	1.90	(74.80)	
	Outer Diameter	mm (Inch)	4.80	(0.189)	
Outer Conductor1	Type	mm/piece/carr(mil/)	A0.14/ 6/24	(5.51/ )	Annealed Copper
	Thickness	mm (mil)	-		
	Coverage	%	>91		
Insulation2	Type		PE		
	Thickness	mm (mil)	0.50	(19.69)	
	Outer Diameter	mm (Inch)	4.80	(0.189)	
Outer Conductor2	Type	mm/piece/carr(mil/)	A0.14/ 8/24	(5.51/ )	Annealed Copper
	Thickness	mm (mil)	-		
	Coverage	%	>95		
Jacket	Type		PVC		Color:Blk,Red,Grn
	Thickness	mm (mil)	0.9	(35.43)	Custom colors available.
	Overall Diameter	mm (Inch)	8.8	(0.35)	
	Marking		Triaxial Cable L-5CFTX CANARE <Year code> MADE IN JAPAN		Brittle Temp. -30°C (-22°F)
Weight	kg/100m(lbs/1000ft)		12	(80.6)	

Cable Cross Section



Electrical Characteristics (Nominal)		Units	Standard Value		Note
D.C.Resistance	Inner Conductor	/100m (/1000ft)	<= 2.3 (<=7.1)		Attenuation dB/100m (/1000ft)
	Outer Conductor	/100m (/1000ft)	<= 1.0 (<=3.0)		
Voltage Withstanding	Min.Breakdown Voltage.	VAC·1min	1000	(1000)	10MHz 2.3 (7.0)
Insulation Resistance	Between Conductors	M · km (·3000ft)	>= 1000	(>=1000)	30MHz 3.7 (11.3)
Char. Impedance	Between Conductors	at 10MHz	75 ± 3		72MHz 5.6 (17.1)
			55 (16.8)		88MHz 6.1 (18.6)
Capacitance	Between Conductors	pF/m (pF/ft)	55 (16.8)		135MHz 7.5 (22.9)
Attenuation	Between Conductors	dB/100m (/1000ft)	55 (16.8)		180MHz 8.7 (26.5)
			55 (16.8)		270MHz 10.9 (33.2)
			55 (16.8)		750MHz 19.3 (58.8)

Mechanical Characteristics		Units	Standard Value		Note
Tensile Strength	Jacket	MPa	>= 14.0		
		%	>= 240		

Environment Characteristics	Specifications	Remarks
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: 50 ± 1 Duration: 24 ± 1 hour (humidity not designated) Load: 500 ± 25g
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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.