Product Specification
(V5-5CFB)

Canare Electric Co., Ltd

1. Scope This product specification covers the performance of the 75Ω Coaxial cable.

2. General Specifications

(1) Product Name Multi-Channel 75Ω Coaxial Cable

(2) Model Name V5-5CFB

(3) Construction and Appearance As shown in Fig.1, Fig.2 and Table 1

Fig. 1

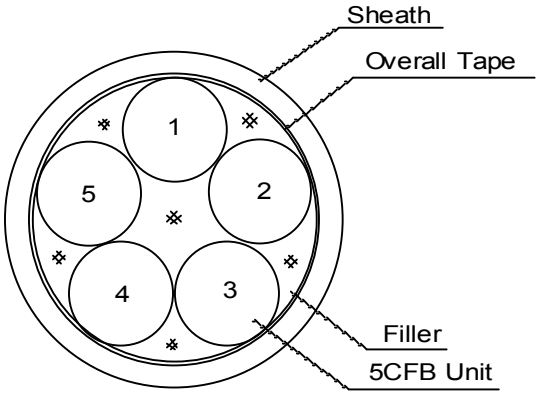
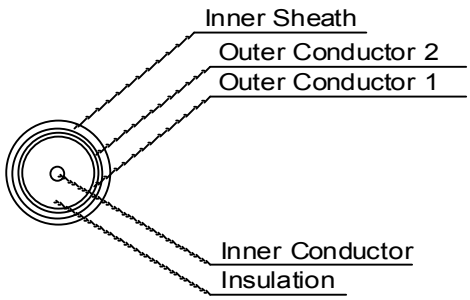


Fig.2



Channel Color Code : Inner Sheath

1	2	3	4	5
RED	GRN	BLU	WHT	YEL

Table 1

Item			Standard Value	Note
No. of Unit			5	
Construction of Unit	Inner Conductor	Construction (qty/mm)	1/1.05A	Annealed Copper 18AWG
		Nom. Cross Section Area(mm^2)	0.87	
		Outer Diameter (mm)	1.05	
	Insulation	Thickness (mm)	1.98	Foamed Polyethylene
		Over Diameter (mm)	5.00	
	Outer Conductor 1	Thickness (mm)	0.07	Aluminium Laminated Tape
		Over Diameter (mm)	5.1	
	Outer Conductor 2	Construction (carr/end/mm)	24/ 7/0.14TA	Tinned Annealed Copper Coverage >=93%
		Pitch	<= 45	
		Overall Diameter	5.7	
	Inner Sheath	Thickness (mm)	0.4	PVC
		Over Diameter (mm)	6.5	
Filler		Materials	Jute	
Overall Tape		Thickness (mm)	0.16	Non Woven Fabric Tape
Sheath		Thickness (mm)	1.6	PVC
		Color	Black	
		Marking	75Ω Coaxial Cable V5-5CFB CANARE <Year Code> MADE IN JAPAN	
Overall Diameter (mm)			21.1	

(4) Weight Approx. 46 kg／100m

(5) Package Not exceeding 50m: Coil
Over 60m: Wooden reel

3. Rating, Standard

(1) Rated Voltage AC 60Vrms

(2) Temperature Range -20°C ~ +60°C

4. Electrical Characteristics

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	<= 21.3Ω/km (20°C)	JIS C3005
	Outer Conductor	<= 8.3Ω/km (20°C)	JIS C3005
Insulation Resistance		>= 1000MΩ・km	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		75±3Ω (10MHz)	JIS C3502
Nominal Capacitance		55nF/km (1kHz)	JIS C3501
Nominal Attenuation		10MHz: 2.2dB/100m 30MHz: 3.6dB/100m 72MHz: 5.3dB/100m 88MHz: 5.8dB/100m 135MHz: 7.1dB/100m 180MHz: 8.2dB/100m 270MHz: 10.2dB/100m 750MHz: 17.7dB/100m 1.3GHz: 24.1dB/100m 1.5GHz: 26.1dB/100m 2.0GHz: 30.8dB/100m 2.5GHz: 35.1dB/100m 3.0GHz: 39.1dB/100m	JIS C3502

5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	>= 10.0 Mpa	JIS C3005
	Elongation	>= 190 %	JIS C3005

6. Environment Characteristics

Item	Standard Value	Test Method
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 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.