

Product Specification (V3-4CFB)

Canare Electric Co., Ltd

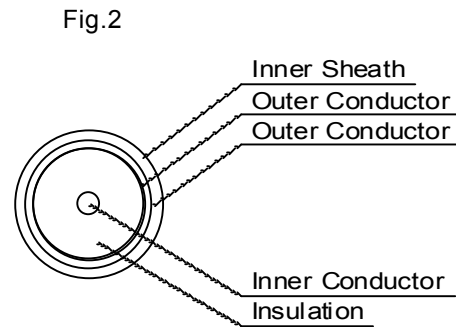
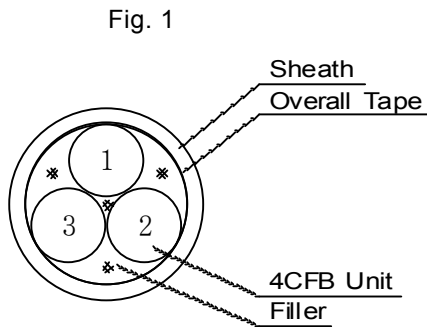
1. **Scope** This product specification covers the performance of the 75Ω Coaxial cable.

2. **General Specifications**

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

(2) **Model Name** V3-4CFB

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



Channel Color Code : Inner Sheath

1	2	3
RED	GRN	BLU

Table 1

Item	Standard Value	Note			
No. of Unit	3				
Construction of Unit	Inner Conductor	Construction (qty/mm) Nom. Cross Section Area(mm ²) Outer Diameter (mm)	1/0.80A 0.50 0.80	Annealed Copper 20AWG	
	Insulation	Thickness (mm) Over Diameter (mm)	1.45 3.70	Foamed Polyethylene	
		Outer Conductor 1	Thickness (mm) Over Diameter (mm)	0.05 3.8	Aluminium Laminated Tape
	Outer Conductor 2	Construction (carr/end/mm) Pitch Overall Diameter	16/8 /0.14TA <= 36 4.4	Tinned Annealed Copper Coverage >=93%	
		Inner Sheath	Thickness (mm) Over Diameter (mm)	0.4 5.0	PVC
			Filler	Materials	Jute
	Overall Tape	Thickness (mm)	0.05	Paper Tape	
	Sheath	Thickness (mm)	1.0	PVC	
		Color	Black		
		Marking	75Ω Coaxial Cable V3-4CFB CANARE <Year Code> MADE IN JAPAN		
		Overall Diameter (mm)	12.9		

(4) **Weight** Approx. 18 kg / 100m

(5) **Package** Not exceeding 130m: Coil
Over 140m: 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	$\leq 35.7\Omega/\text{km}$ (20°C)	JIS C3005
	Outer Conductor	$\leq 10.8\Omega/\text{km}$ (20°C)	JIS C3005
Insulation Resistance		$\geq 1000\text{M}\Omega \cdot \text{km}$	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75\pm 3\Omega$ (10MHz)	JIS C3502
Nominal Capacitance		55nF/km (1kHz)	JIS C3501
Nominal Attenuation		10MHz: 3.0dB/100m 30MHz: 4.9dB/100m 72MHz: 7.2dB/100m 88MHz: 7.9dB/100m 135MHz: 9.7dB/100m 180MHz: 11.2dB/100m 270MHz: 13.9dB/100m 750MHz: 24.3dB/100m 1.3GHz: 33.2dB/100m 1.5GHz: 36.0dB/100m 2.0GHz: 42.6dB/100m 2.5GHz: 48.6dB/100m 3.0GHz: 54.3dB/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.