

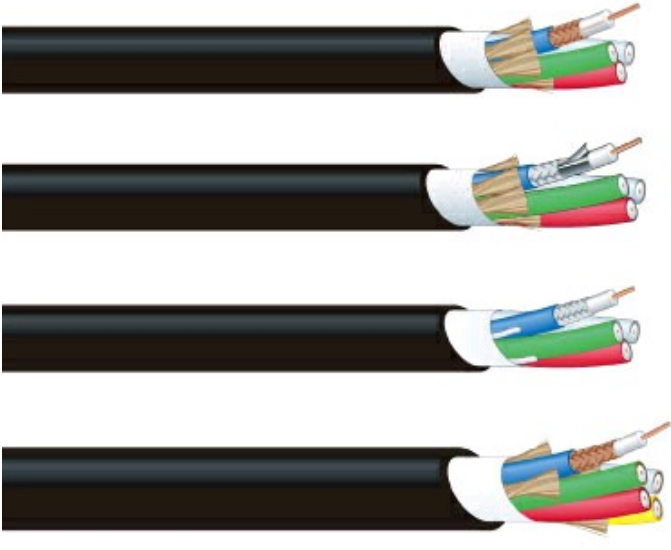


TOP > en > products > cables > 75 ohm Multichannel Coaxial Cables

Categories

- New Products
- Fiber Optic Systems
- Cables
  - 75 ohm Coaxial Cables
  - Speaker Cables
  - Others
- Connectors
- Panels and Patchbays
- Cable Assemblies
- Multichannel Systems
- Cable Reels
- Tools
- Other Transmission Device

All



## 75 ohm Multichannel Coaxial Cables

Combining multiple coaxial cables into one simplifies wiring for video peripherals.

### Key Features and Benefits

- 75 ohm component video series.
- Ideal for component analog/digital video signals.
- Bundled cable helps keep work site neat and clean.



Product specifications and appearance described are subject to change without notice for improvement.

Tech Data Downloads

## 75 ohm Multichannel Coaxial Cables

Type	Model	No. of ch.	Sales units	Nom. O.D.	Weight	Unit composition									
						Inner cond.		Insulation		Outer conductors		Inner cond. resist.	Outer cond. resist.	Character-istic impedance	Attenuation
						Comp. (AWG) Q/ty/mm	O.D. mm	O.D. mm	Foil mm	Braid comp. (coverage) mm/ends/carriers	Unit O.D. mm				
V4~CFB	V3-3CFB	3	100 500	11.5	14	(22) 1/0.65A	0.65	3.1	AL	0.14TA/8/16 (91%)	4.4	5.6	1.6	75	29.1
	V4-3CFB	4		13.0	19										
	V5-3CFB	5		14.2	23										
	V3-4CFB	3		12.9	18										
	V4-4CFB	4		14.4	23										
	V5-4CFB	5		16.1	29										
	V3-5CFB	3		17.1	29										
V4-2.5CHW	V4-2.5CHW	4	100 500	13.0	21	(23) 1/0.59A	0.59	2.59	-	0.10TA/8/16 (95%) 0.10TA/9/16 (94%)	4.2	6.7	1.0	75	35.7
	V3-3CFW	3		13.0	22										
	V4-3CFW	4		14.6	28										
	V5-3CFW	5		16.2	34										
	V3-5CFW	3		18.4	36										
	V4-5CFW	4		20.4	47										
	V5-5CFW	5		22.4	58										
V4~C	V3-1.5C	3	100 500	7.4	7.3	(31) 7/0.09A	0.27	1.55	-	0.10A/5/16 (94%)	2.6	42.3	3.3	75	80.5
	V4-1.5C	4		8.4	9.4										
	V5-1.5C	5		9.2	11										
	V3-3C	3		11.5	15										
	V4-3C	4		13.0	20										
	V5-3C	5		14.2	24										
	V3-5C	3		15.5	26										
V4~C	V4-5C	4	100 500	17.1	33	(22) 7/0.26A	0.78	4.8	-	0.12A/7/24 (93%)	6.0	5.1	1.2	75	29.2
	V5-5C	5		19.2	39										

Jacket PVC, Dielectric strength: 1000V AC/min

### Key Features and Benefits / V-CFB Series

- Low-loss multichannel coax for fixed installations.

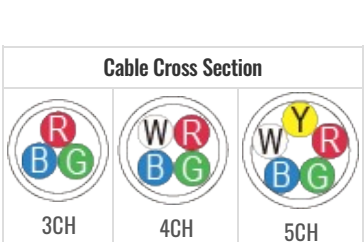
### Key Features and Benefits / V-CHW, V-CFW Series

- Mobile multichannel coax developed for digital video signals.

### Key Features and Benefits / V-C Series

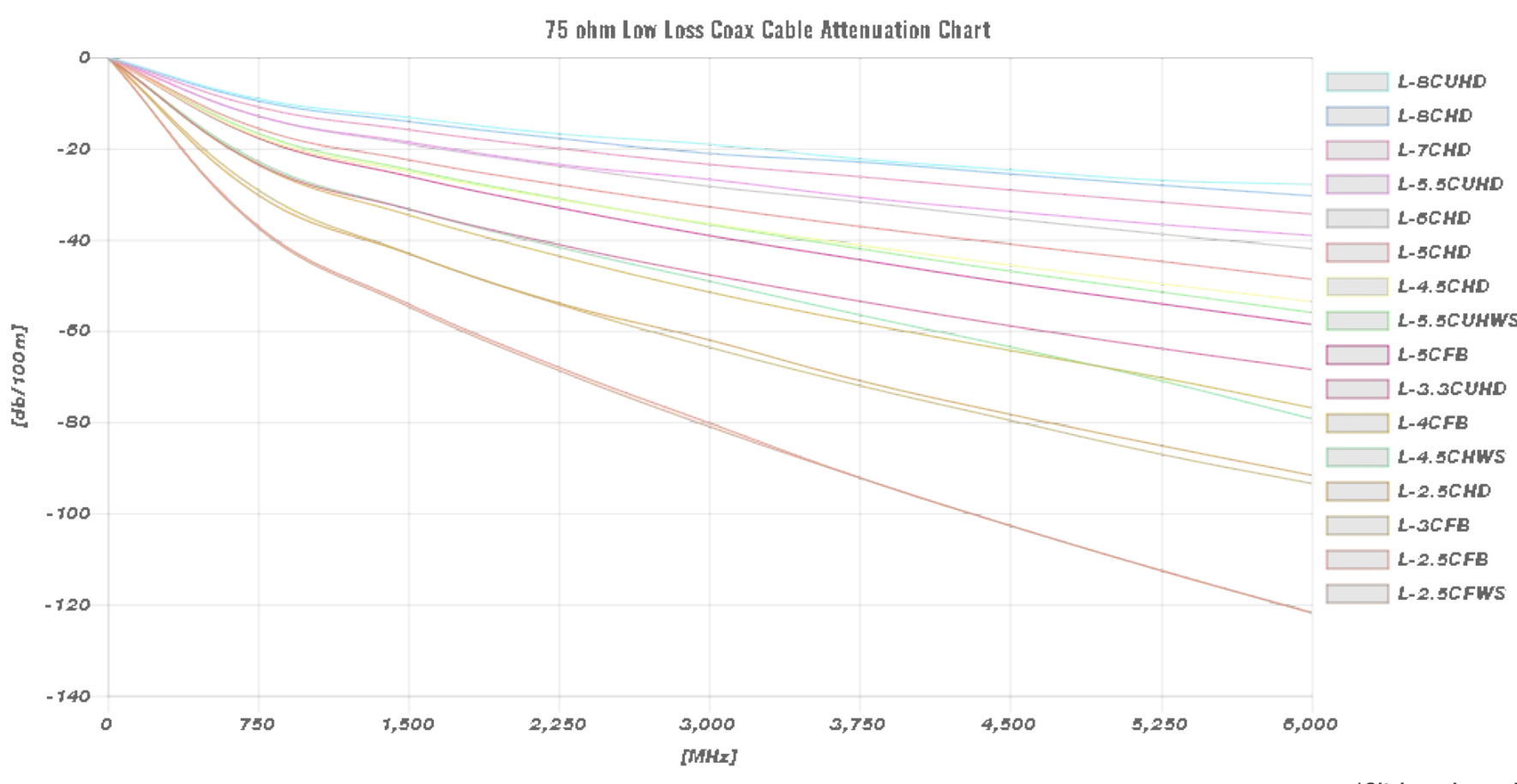
- Our long selling standard multichannel coax with flexible stranded center conductor.
- Ideal for component video signals.

Note: Cable strippers (TS100 series) cannot be used for V-CHW, V-CFW, and V-1.5C.



## 75 ohm Coax Cable Nominal Attenuation (dB/100m)

Type	Model	Frequency											
		10MHz	30MHz	NTSC 72MHz	PAL 88MHz	135MHz	180MHz	270MHz	HD-SDI 750MHz	1.3GHz	3G-SDI 1.5GHz	3GHz	12G-SDI 6GHz
75 ohm	L-1.5C2VS	8.7	15.2	23.9	26.6	33.2	38.7	48.0	83.7	114.0	123.7	185.9	-
	V*-1.5C	8.7	15.1	23.6	26.2	32.7	37.9	46.8	80.5	108.6	117.5	173.4	-
	L-2.5CFB	4.8	7.6	11.3	12.4	15.1	17.4	21.5	37.0	50.0	54.1	80.2	121.8
	L-2.5CHD, L-2.5CHLT	4.1	6.5	9.5	10.4	12.6	14.5	17.8	30.2	40.0	43.1	62.0	91.7
	L-2.5CHWS	4.0	7.0	10.9	12.1	15.1	17.5	21.7	37.4	50.5	54.7	81.0	121.9
	V4-2.5CHW	3.8	6.7	10.4	11.6	14.4	16.8	20.7	35.7	48.3	52.3	77.4	115.9
	L-3C2V, L-3C2W	4.1	7.2	11.3	12.5	15.7	18.3	22.8	40.0	54.9	59.7	90.5	-
	L-3C2VS, V*-3C	4.5	7.9	12.4	13.8	17.2	20.0	24.8	43.3	58.9	63.9	96.0	-
	L-3CFB, V*-3CFB	3.7	5.9	8.7	9.5	11.7	13.5	16.7	29.1	39.6	43.0	64.5	93.5
	L-3CFW, V*-3CFW	3.4	5.9	9.4	10.4	13.0	15.2	18.9	33.1	45.4	49.4	74.8	114.2
	L-3.3CUHD	2.8	4.4	6.5	7.1	9.8	11.3	13.9	23.4	30.9	33.3	47.7	68.5
	L-4CFB	3.0	4.8	7.1	7.8	9.5	11.0	13.6	23.6	31.9	34.6	51.5	76.9
	V*-4CFB	3.0	4.9	7.2	7.9	9.7	11.2	13.9	24.3	33.2	36.0	54.3	83.8
	L-4CHD	2.9	4.6	6.7	7.3	8.9	10.2	12.6	21.3	28.4	30.6	44.3	65.1
	L-4.5CHD	2.3	3.7	5.4	6.0	7.2	8.3	10.2	17.4	23.2	25.1	36.5	53.6
	L-4.5CHWS	2.5	4.3	6.7	7.4	9.3	10.7	13.3	22.8	30.8	33.3	49.1	79.3
	L-5C2V, L-5C2W	2.5	4.5	7.1	7.9	9.9	11.5	14.4	25.7	35.7	38.9	60.0	94.8
	L-5C2VS, V*-5C	2.9	5.1	8.1	9.0	11.3	13.2	16.5	29.3	40.8	44.4	68.3	108.0
	L-5CFB, V*-5CFB	2.2	3.6	5.3	5.8	7.1	8.2	10.2	17.7	24.1	26.1	39.1	58.6
	L-5CFW, V5-5CFW	2.1	3.6	5.6	6.2	7.8	9.0	11.2	19.4	26.2	28.4	42.2	70.5
L-5CHD	2.1	3.3	4.9	5.3	6.5	7.4	9.1	15.6	20.8	22.5	32.8	48.7	
L-5.5CUHD	1.5	2.5	3.9	4.3	5.3	6.1	7.5	12.9	17.1	18.5	26.8	39.1	
L-5.5CUHWS	1.7	3.1	4.8	5.3	6.7	7.7	9.6	16.7	22.7	24.6	36.7	56.0	
LS-4CFB	3.0	4.9	7.2	7.9	9.7	11.2	13.9	24.3	33.2	36.0	54.3	83.7	
LS-5CFB	2.3	3.7	5.6	6.1	7.5	8.7	10.9	19.3	26.5	28.9	44.3	67.5	
L-6CHD	1.7	2.7	3.9	4.3	5.2	6.0	7.4	12.9	17.5	19.0	28.3	42.0	
L-7CFB	1.6	2.5	3.8	4.2	5.1	6.0	7.5	13.4	18.8	20.5	32.0	53.6	
L-7CHD	1.4	2.3	3.3	3.6	4.4	5.1	6.3	10.9	14.7	15.9	23.5	34.4	
L-8CHD	1.2	2.0	2.9	3.2	3.9	4.4	5.5	9.6	13.0	14.1	21.1	30.4	
L-8CUHD	1.2	2.0	2.9	3.2	3.8	4.4	5.4	9.1	12.2	13.2	19.1	27.9	
LV-61S	3.8	6.6	10.4	11.5	14.4	16.8	20.9	36.8	50.4	54.8	83.1	-	
LV-77S	2.9	5.2	8.1	9.0	11.3	13.1	16.3	28.6	-	-	-	-	



\*Click on the model

## Typical Transmission Distance as per SMPTE Standard

Type	SMPTE	ST 259				ST 344	ST 292	ST 424	ST 2082-1
	Designation	SD-SDI				540 Mbps-SDI	HD-SDI (1080i)	3G-SDI (1080p)	12G-SDI (2160p)
	Video Format	NTSC	PAL	525/625 (4:3)	525/625 (16:9)	525/625 (4:3) p60	2K 1080i	2K 1080p	4K UHD
	Bit Rate	143 Mb/s	177 Mb/s	270 Mb/s	360 Mb/s	540 Mb/s	1.485 GHz/s	2.97 GHz/s	11.88 GHz/s
	Clock	143 Mb	177 Mb	270 Mb	360 Mb	540 Mb	1.485 GHz	2.97 GHz	11.88 GHz
	Cable Loss @ 1/2 Clock	30 dB @ 72 MHz	30 dB @ 88 MHz	30 dB @ 135 MHz	30 dB @ 180 MHz	30 dB @ 270 MHz	20 dB @ 150 MHz	30 dB @ 1.5 GHz	40 dB @ 6 GHz
	Model	m	m	m	m	m	m	m	m
General Purpose	L-2.5CFB	265	242	199	172	139	54	55	32
	L-2.5CHD	314	287	237	206	168	66	69	43
	L-2.5CHLT	314	287	237	206	168	66	69	43
	L-3CFB	344	314	257	222	179	68	69	42
	L-3.3CUHD	461	422	306	265	215	85	90	58
	L-4CFB	422	314	315	272	220	84	86	52
	L-4CHD	447	410	337	294	238	93	98	61
	L-5CFB	563	513	420	364	294	112	114	68
	L-4.5CHD	551	504	415	361	293	115	119	74
	L-5CHD	614	562	464	403	327	128	133	82
	L-6CHD	766	700	575	499	403	154	158	95
	L-5.5CUHD	769	697	599	491	400	155	161	102
Model Purpose	L-7CHD	902	824	678	589	476	184	188	116
	L-8CHD	1034	937	769	681	545	208	212	131
	L-8CUHD	1034	937	789	681	555	219	227	143
	L-2.5CHWS	275	247	198	171	138	53	54	32
	V4-2.5CHW	288	258	208	178	144	56	57	34
	L-3CFW	319	288	230	197	158	60	60	35
L-4.5CHWS	447	405	322	280	225	87	90	(*1)	
L-5CFW	535	483	384	333	267	103	105	(*1)	
L-5.5CHWS	625	566	447	389	312	119	121	(*1)	

\*The above values are distances when cable loss reaches a typical attenuation specified by SMPTE standard at 1/2 clock frequency.

\*These values are not equivalent to actual transmission distances, which depends on the equalized distance of receiver.

\*Please check with vendor of receiver for equalized distance and reference cable to calculate actual transmission distance.

(\*1)Distance may vary depending on conditions. Contact Canare for the proper information.

## Product Specification (V5-5CFW)

Canare Electric Co., Ltd

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

2. **General Specifications**

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

(2) **Model Name** V5-5CFW

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

Fig. 1

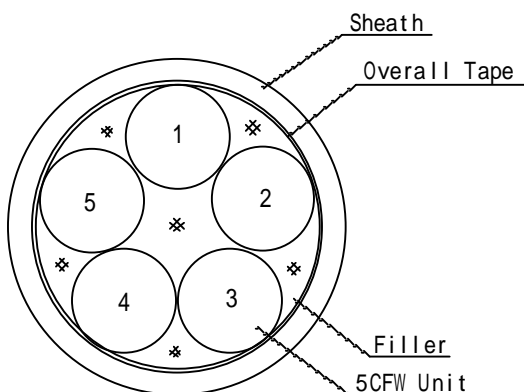
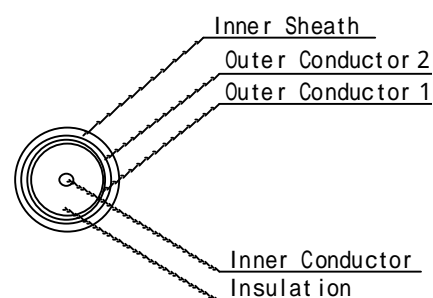


Fig.2



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 <sup>2</sup> )	0.87	
		Outer Diameter (mm)	1.05	
	Insulation	Thickness (mm)	1.93	Foamed Polyethylene
		Outer Diameter (mm)	4.90	
	Outer Conductor 1	Construction (carr/end/mm)	24/ 7/0.12A	Annealed Copper Coverage >=93%
		Pitch (mm)	<= 25	
		Outer Diameter (mm)	5.4	
	Outer Conductor 2	Construction (carr/end/mm)	24/ 9/0.12A	Annealed Copper Coverage >=96%
		Pitch (mm)	<= 40	
		Outer Diameter (mm)	6.0	
	Inner Sheath	Thickness (mm)	0.5	Flame Retardant PVC
		Outer Diameter (mm)	7.0	

Filler	Materials	PP	
Overall Tape	Thickness (mm)	0.16	Non Woven Fabric Tape
Sheath	Thickness (mm)	1.5	Flame Retardant PVC
	Color	Black	
	Marking	UHDTV-SDI 75 Coaxial Cable V5-5CFW CANARE <Year code> MADE IN JAPAN	
Outer Diameter (mm)		22.4	

(4) **Weight** Approx. 58 kg / 100m

(5) **Package** 10m, 30m, 50m: Coil  
Over 60m: Wooden reel

### 3. Rating, Standard

(1) **Rated Voltage** AC 60Vrms

(2) **Temperature Range** -30 ~ +60

### 4. Electrical Characteristics

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	$\leq 23.5$ /km (20 )	JIS C3005
	Outer Conductor	$\leq 5.0$ /km (20 )	JIS C3005
Insulation Resistance		$\geq 1000M$ · km	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75 \pm 3$ (10MHz)	JIS C3502
Nominal Capacitance		55nF/km ( 1kHz)	JIS C3502
Nominal Attenuation		10MHz: 2.1dB/100m 30MHz: 3.6dB/100m 72MHz: 5.6dB/100m 88MHz: 6.2dB/100m 90MHz: 6.3dB/100m 135MHz: 7.8dB/100m 180MHz: 9.0dB/100m 270MHz: 11.2dB/100m 440MHz: 14.5dB/100m 750MHz: 19.4dB/100m 770MHz: 19.6dB/100m 1.3GHz: 26.2dB/100m 1.5GHz: 28.4dB/100m 2.4GHz: 37.1dB/100m 3.0GHz: 42.2dB/100m	JIS C3502

### 5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 11.0$ Mpa	JIS C3005
	Elongation	$\geq 220$ %	JIS C3005

### 6. Environment Characteristics

Item	Standard Value	Test Method
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: $50 \pm 1$ Duration: $24 \pm 1$ hours (humidity not designated) Load: $500 \pm 25$ g
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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

## Product Specification (V5-5CFB)

Canare Electric Co., Ltd

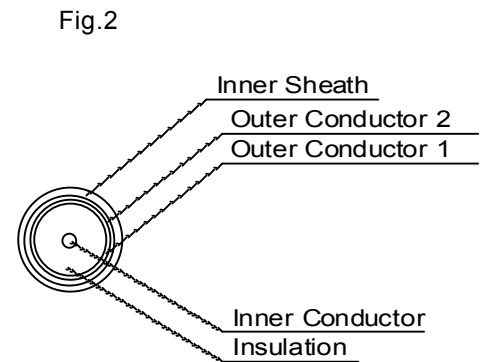
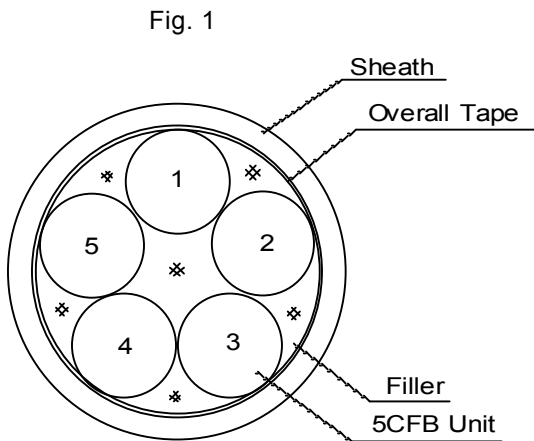
1. **Scope** This product specification covers the performance of the 75Ω Coaxial cable.

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



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	
		Nom. Cross Section Area(mm <sup>2</sup> )	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	$\leq 21.3\Omega/\text{km}$ (20°C)	JIS C3005
	Outer Conductor	$\leq 8.3\Omega/\text{km}$ (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: 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	$\geq 10.0$ Mpa	JIS C3005
	Elongation	$\geq 190$ %	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.

# CABLE SPECIFICATION

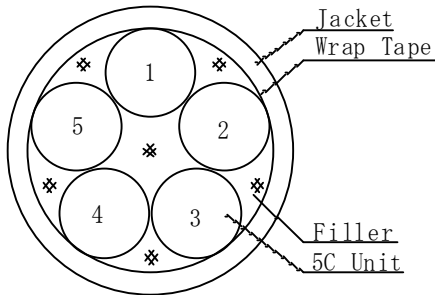
Model V5-5C SAA072E 2.1  
 Applications Multi-Channel 75Ω Coaxial Cable



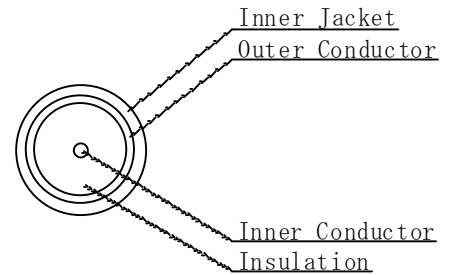
Canare Electric Co., Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
<b>No. of Unit</b>			5	
<b>Inner Conductor</b>	Structure	mm/qty (mil/)	A0.26/ 7 (10.24/ )	Annealed Copper 22AWG
	Nom. Cross Section Area	mm <sup>2</sup> (mil <sup>2</sup> )	0.37 (573.5)	
	Outer Diameter	mm (mil)	0.78 (30.71)	
<b>Insulation</b>	Type		PE	
	Thickness	mm (mil)	2.01 (79.13)	
	Outer Diameter	mm (Inch)	4.80 (0.189)	
<b>Outer Conductor</b>	Type	mm/piece/carr (mil/)	A0.12/ 7/24 (4.72/ )	Annealed Copper
	Thickness	mm (mil)	—	
	Coverage	%	>93	
<b>Inner Jacket</b>	Type		PVC	Color:Red/Grn/Blu/Wht/Yel
	Thickness	mm (mil)	0.3 (11.81)	
	Overall Diameter	mm (Inch)	6.0 (0.24)	
	Marking			
<b>Wrap Tape Jacket</b>	Thickness	mm (mil)	0.05 (1.97)	Paper Tape Filler Materials : Jute Color:Black Brittle Temp. -30°C(-22°F)
	Type		PVC	
	Thickness	mm (mil)	1.4 (55.12)	
	Overall Diameter	mm (Inch)	19.2 (0.76)	
	Marking			
<b>Weight</b>		kg/100m (lbs/1000ft)	39 (262.1)	

## Cable Cross Section



## Unit



Channel Color Code				
1	2	3	4	5
RED	GRN	BLU	WHT	YEL

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks	
<b>D. C. Resistance</b>	Inner Conductor	Ω/100m ( /1000ft)	≤ 5.1 (≤15.5)	Attenuation dB/100m ( /1000ft)	
	Outer Conductor	Ω/100m ( /1000ft)	≤ 1.2 (≤3.7)		
<b>Voltage Withstanding</b>	Min. Breakdown Voltage.	VAC·1min	1000 (1000)		10MHz 2.9 (8.8)
<b>Insulation Resistance</b>	Between Conductors	MΩ·km ( ·3000ft )	>= 1000 (>=1000)		30MHz 5.2 (15.8)
					72MHz 8.1 (24.7)
<b>Char. Impedance</b>		Ω at 10MHz	75±3		88MHz 9.0 (27.4)
<b>Capacitance</b>	Between Conductors	pF/m ( pF/ft )	67±3 (20.4)	135MHz 11.4 (34.7)	
<b>Attenuation</b>				180MHz 13.3 (40.5)	
				270MHz 16.5 (50.3)	
				750MHz 29.2 (89.0)	

Mechanical Characteristics (Nominal)		Dimensions	Specifications	Remarks
<b>Tensile Strength</b>	Jacket	MPa	>= 11.0	
		%	>= 220	

<i>Environment Characteristics</i>	<i>Specifications</i>	<i>Remarks</i>
<i>Migration</i>	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: 50°C ±1°C Duration: 24 hours ±1 hour (humidity not designated) Load: 500g ±25g
<i>Flame Retardance</i>	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C 3005.
	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.



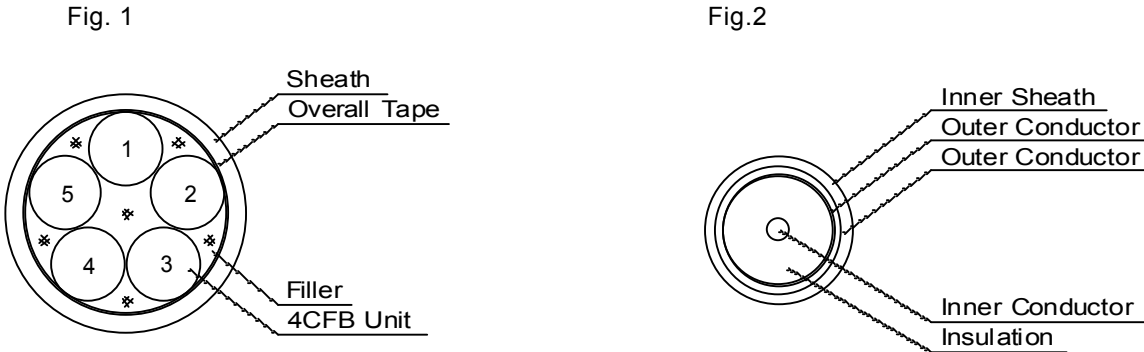
**Product Specification**  
**(V5-4CFB)**

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** V5-4CFB
- (3) **Construction and Appearance** As shown in Fig.1, Fig.2 and Table 1



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)	1/0.80A
		Nom. Cross Section Area(mm <sup>2</sup> )	0.50
		Outer Diameter (mm)	0.80
	Insulation	Thickness (mm)	1.45
		Over Diameter (mm)	3.70
	Outer Conductor 1	Thickness (mm)	0.05
		Over Diameter (mm)	3.8
	Outer Conductor 2	Construction (carr/end/mm)	16/ 8/0.14TA
		Pitch	<= 36
		Overall Diameter	4.4
Inner Sheath	Thickness (mm)	0.3	
	Over Diameter (mm)	5.0	
Filler	Materials	Jute	
Overall Tape	Thickness (mm)	0.05	Paper Tape
Sheath	Thickness (mm)	1.2	PVC
	Color	Black	
	Marking	75Ω Coaxial Cable V5-4CFB CANARE <Year Code> MADE IN JAPAN	
Overall Diameter (mm)		16.1	

- (4) **Weight** Approx. 29 kg / 100m
- (5) **Package** Not exceeding 80m: Coil  
Over 90m: 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	$\geq 10.0$ Mpa	JIS C3005
	Elongation	$\geq 190$ %	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.

## Product Specification (V5-3CFW)

Canare Electric Co., Ltd

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

2. **General Specifications**

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

(2) **Model Name** V5-3CFW

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

Fig. 1

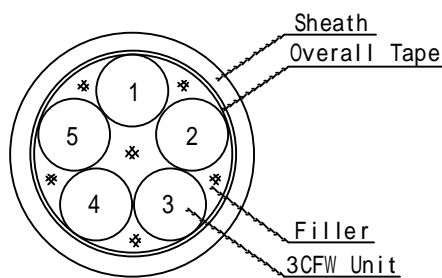
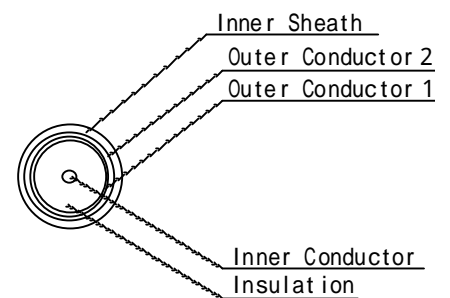


Fig.2



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)	1/0.65A	Annealed Copper 22AWG
		Nom. Cross Section Area(mm <sup>2</sup> )	0.33	
		Outer Diameter (mm)	0.65	
	Insulation	Thickness (mm)	1.23	Foamed Polyethylene
		Outer Diameter (mm)	3.10	
	Outer Conductor 1	Construction (carr/end/mm)	24/ 5/0.12A	Annealed Copper Coverage >=94%
		Pitch (mm)	<= 20	
		Outer Diameter (mm)	3.6	
	Outer Conductor 2	Construction (carr/end/mm)	24/ 6/0.12A	Annealed Copper Coverage >=94%
		Pitch (mm)	<= 35	
		Outer Diameter (mm)	4.2	
	Inner Sheath	Thickness (mm)	0.3	Flame Retardant PVC
		Outer Diameter (mm)	4.9	

Filler	Materials	Jute	-
Overall Tape	Thickness (mm)	0.16	Non Woven Fabric Tape
Sheath	Thickness (mm)	1.2	Flame Retardant PVC
	Color	Black	
	Marking	UHDTV-SDI 75 Coaxial Cable V5-3CFW CANARE <Year code> MADE IN JAPAN	
Outer Diameter (mm)		16.2	

(4) **Weight** Approx. 34 kg / 100m

(5) **Package** 50m less: Coil  
Over 80m: Wooden reel

### 3. Rating, Standard

(1) **Rated Voltage** AC 60Vrms

(2) **Temperature Range** -30 ~ +60

### 4. Electrical Characteristics

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	$\leq 55.6$ /km (20 )	JIS C3005
	Outer Conductor	$\leq 7.1$ /km (20 )	JIS C3005
Insulation Resistance		$\geq 1000M \cdot km$	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75 \pm 3$ (10MHz)	JIS C3502
Nominal Capacitance		55nF/km ( 1kHz)	JIS C3502
Nominal Attenuation		10MHz: 3.4dB/100m 30MHz: 5.9dB/100m 72MHz: 9.4dB/100m 88MHz: 10.4dB/100m 90MHz: 10.5dB/100m 135MHz: 13.0dB/100m 180MHz: 15.2dB/100m 270MHz: 18.9dB/100m 440MHz: 24.6dB/100m 750MHz: 33.1dB/100m 770MHz: 33.6dB/100m 1.3GHz: 45.4dB/100m 1.5GHz: 49.4dB/100m 2.4GHz: 65.3dB/100m 3.0GHz: 74.8dB/100m	JIS C3502

### 5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 11.0$ Mpa	JIS C3005
	Elongation	$\geq 220$ %	JIS C3005

### 6. Environment Characteristics

Item	Standard Value	Test Method
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: $50 \pm 1$ Duration: $24 \pm 1$ hours (humidity not designated) Load: $500 \pm 25$ g
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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

# CABLE SPECIFICATION

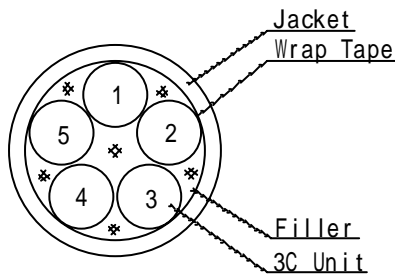
Model V 5 - 3 C Ver3.1  
 Applications Multi-Channel 75 Coaxial Video Cable



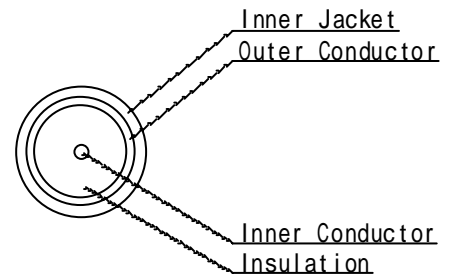
Canare Electric Co.,Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Unit			5	
Inner Conductor	Structure	mm/qty (mil/)	A0.18/ 7 (7.09/ )	Annealed Copper
	Nom. Cross Section Area	mm <sup>2</sup> (mil)	0.18 (279.0)	25AWG
	Outer Diameter	mm (mil)	0.54 (21.26)	
Insulation	Type		PE	Polyethylene
	Thickness	mm (mil)	1.28 (50.39)	
	Outer Diameter	mm (Inch)	3.10 (0.122)	
Outer Conductor1	Type	mm/piece/carr(mil/)	A0.14/ 5/24 (5.51/ )	Annealed Copper
	Thickness	mm (mil)	-	
	Coverage	%	>97	
Outer Conductor2	Type	mm/piece/carr(mil/)	-	
	Thickness	mm (mil)	-	
	Coverage	%	-	
Inner Jacket	Type		PVC	Color:Red/Grn/Blu/Wht/Yel
	Thickness	mm (mil)	0.3 (11.81)	
	Overall Diameter	mm (Inch)	4.4 (0.17)	
Wrap Tape	Thickness	mm (mil)	0.05 (1.97)	Paper Tape
	Type		PVC	Filler Materials : Jute
Jacket	Thickness	mm (mil)	1.1 (43.31)	Color:Black
	Overall Diameter	mm (Inch)	14.2 (0.56)	Brittle Temp. -30° C (-22° F)
	Marking		75 Coaxial Cable V5-3C <Year code> MADE IN JAPAN	CANARE
Weight	kg/100m(lbs/1000ft)		24 (161.3)	

## Cable Cross Section



## Unit



Channel Color Code				
1	2	3	4	5
RED	GRN	BLU	WHT	YEL

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks
D.C. Resistance	Inner Conductor	/100m (/1000ft)	<= 10.6 (<=32.3)	Attenuation dB/100m (/1000ft)
	Outer Conductor	/100m (/1000ft)	<= 1.1 (<=3.4)	
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	1000 (1000)	10MHz 4.5 (13.7)
Insulation Resistance	Between Conductors	M · km ( · 3000ft )	>= 1000 (>=1000)	30MHz 7.9 (24.1)
Char. Impedance		at 10MHz	75 ± 3	72MHz 12.4 (37.8)
Capacitance	Between Conductors	pF/m ( pF/ft )	67 ± 3 (20.4)	88MHz 13.7 (41.8)
Attenuation				135MHz 17.2 (52.4)
				180MHz 20.0 (61.0)
				270MHz 24.8 (75.6)
				750MHz 43.2 (131.7)

Mechanical Characteristics (Nominal)		Dimensions	Specifications	Remarks
Tensile Strength	Jacket	MPa	>= 11.0	
		%	>= 220	

<i>Environment Characteristics</i>	<i>Specifications</i>	<i>Remarks</i>
<i>Migration</i>	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: 50 ±1 Duration: 24 hours ±1 hour (humidity not designated) Load: 500g ±25g
<i>Flame Retardance</i>	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C 3005.
	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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

## Product Specification (V5-1.5C)

Canare Electric Co., Ltd

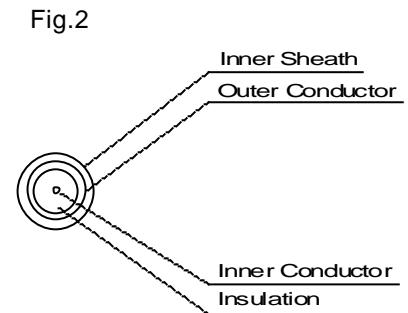
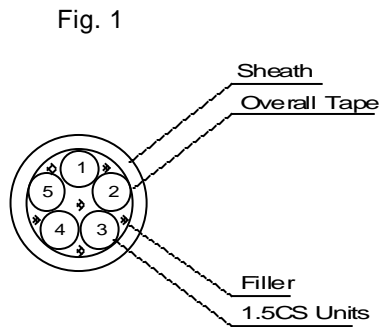
1. **Scope** This product specification covers the performance of the 75Ω Coaxial cable.

2. **General Specifications**

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

(2) **Model Name** V5-1.5C

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



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)	7/0.09A	
		Nom. Cross Section Area (mm <sup>2</sup> )	0.04	
		Outer Diameter (mm)	0.27	
	Insulation	Thickness (mm)	0.64	Polyethylene
		Over Diameter (mm)	1.55	
	Outer Conductor	Construction (carr/end/mm)	16/ 5/0.10A	Annealed Copper Coverage >=94%
		Pitch (mm)	<= 15	
		Overall Diameter (mm)	2.0	
	Inner Sheath	Thickness (mm)	0.3	PVC
		Over Diameter (mm)	2.6	
Filler	Materials	Jute		
Overall Tape	Thickness (mm)	0.05	Paper Tape	
Sheath	Thickness (mm)	1.0	PVC	
	Color	Black		
	Marking	75Ω Coaxial Cable V5-1.5C CANARE <Year Code> E***** 20002 AWM VW-1		
Overall Diameter (mm)		9.2		

(4) **Weight** Approx. 11 kg / 100m

(5) **Package** Not exceeding 220m: Coil  
Over 230m: Wooden reel



**3. Rating, Standard**

- (1) **Rated Voltage** AC 30Vrms  
 (2) **Temperature Range** -30°C ~ +60°C  
 (3) **UL AWM** Style 20002

**4. Electrical Characteristics**

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	$\leq 423.2\Omega/\text{km}$ (20°C)	JIS C3005
	Outer Conductor	$\leq 32.9\Omega/\text{km}$ (20°C)	JIS C3005
Insulation Resistance		$\geq 1000\text{M}\Omega\text{-km}$	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75\pm 3\Omega$ (10MHz)	JIS C3501
Nominal Capacitance		$69\pm 4\text{nF}/\text{km}$ (1kHz)	JIS C3501
Nominal Attenuation		10MHz: 8.7dB/100m 30MHz: 15.1dB/100m 72MHz: 23.6dB/100m 88MHz: 26.2dB/100m 135MHz: 32.7dB/100m 180MHz: 37.9dB/100m 270MHz: 46.8dB/100m 750MHz: 80.5dB/100m 1.3GHz: 108.6dB/100m 1.5GHz: 117.5dB/100m 2.0GHz: 137.9dB/100m 2.5GHz: 156.3dB/100m 3.0GHz: 173.4dB/100m	JIS C3501

**5. Mechanical Characteristics**

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 11.0$ MPa	JIS C3005
	Elongation	$\geq 220$ %	JIS C3005

**6. Environment Characteristics**

Item	Standard Value	Test Method
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: $50\pm 1^\circ\text{C}$ Duration: $24\pm 1$ hours (Humidity not designated) Load: $500\pm 25\text{g}$
Flame Retardance	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C3005.

**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.

## Product Specification (V4-5CFW)

Canare Electric Co., Ltd

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

2. **General Specifications**

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

(2) **Model Name** V4-5CFW

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

Fig. 1

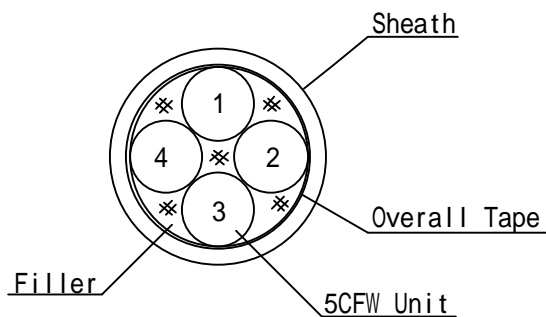
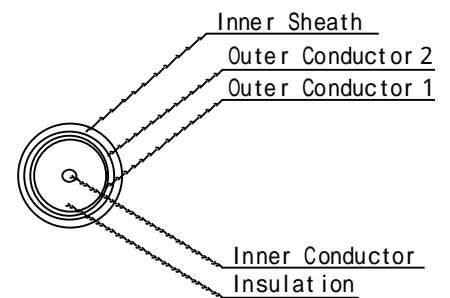


Fig.2



Channel Color Code : Inner Sheath

1	2	3	4
RED	GRN	BLU	WHT

Table 1

Item		Standard Value	Note	
No. of Unit		4		
Construction of Unit	Inner Conductor	Construction (qty/mm)	1/1.05A	
		Nom. Cross Section Area(mm <sup>2</sup> )	0.87	
		Outer Diameter (mm)	1.05	
	Insulation	Thickness (mm)	1.93	Foamed Polyethylene
		Outer Diameter (mm)	4.90	
	Outer Conductor 1	Construction (carr/end/mm)	24/ 7/0.12A	Annealed Copper Coverage >=93%
		Pitch (mm)	<= 25	
		Outer Diameter (mm)	5.4	
	Outer Conductor 2	Construction (carr/end/mm)	24/ 9/0.12A	Annealed Copper Coverage >=96%
		Pitch (mm)	<= 40	
		Outer Diameter (mm)	6.0	
	Inner Sheath	Thickness (mm)	0.5	Flame Retardant PVC
Outer Diameter (mm)		7.0		

Filler	Materials	PP	
Overall Tape	Thickness (mm)	0.16	Non Woven Fabric Tape
Sheath	Thickness (mm)	1.5	Flame Retardant PVC
	Color	Black	
	Marking	UHDTV-SDI 75 Coaxial Cable V4-5CFW CANARE <Year code> MADE IN JAPAN	
Outer Diameter (mm)		20.4	

(4) **Weight** Approx. 47 kg / 100m

(5) **Package** 50m less: Coil  
Over 60m: Wooden reel

### 3. Rating, Standard

(1) **Rated Voltage** AC 60Vrms

(2) **Temperature Range** -30 ~ +60

### 4. Electrical Characteristics

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	$\leq 23.5$ /km (20 )	JIS C3005
	Outer Conductor	$\leq 5.0$ /km (20 )	JIS C3005
Insulation Resistance		$\geq 1000M \cdot km$	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75 \pm 3$ (10MHz)	JIS C3502
Nominal Capacitance		55nF/km ( 1kHz)	JIS C3502
Nominal Attenuation		10MHz: 2.1dB/100m 30MHz: 3.6dB/100m 72MHz: 5.6dB/100m 88MHz: 6.2dB/100m 90MHz: 6.3dB/100m 135MHz: 7.8dB/100m 180MHz: 9.0dB/100m 270MHz: 11.2dB/100m 440MHz: 14.5dB/100m 750MHz: 19.4dB/100m 770MHz: 19.6dB/100m 1.3GHz: 26.2dB/100m 1.5GHz: 28.4dB/100m 2.4GHz: 37.1dB/100m 3.0GHz: 42.2dB/100m	JIS C3502

### 5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 11.0$ Mpa	JIS C3005
	Elongation	$\geq 220$ %	JIS C3005

### 6. Environment Characteristics

Item	Standard Value	Test Method
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: $50 \pm 1$ Duration: $24 \pm 1$ hours (humidity not designated) Load: $500 \pm 25$ g
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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

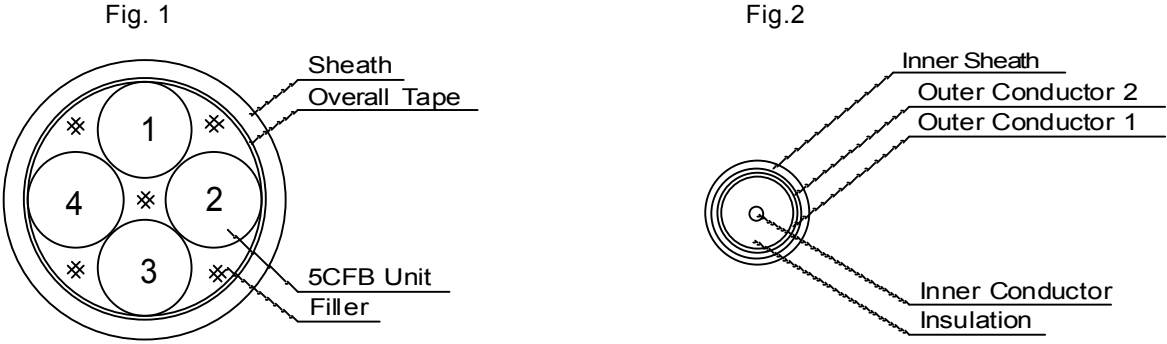
**Product Specification**  
**(V4-5CFB)**

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** V4-5CFB
- (3) **Construction and Appearance** As shown in Fig.1, Fig.2 and Table 1



Channel Color Code : Inner Sheath

1	2	3	4
RED	GRN	BLU	WHT

Table 1

Item		Standard Value	Note
No. of Unit		4	
Construction of Unit	Inner Conductor	Construction (qty/mm)	1/1.05A
		Nom. Cross Section Area(mm <sup>2</sup> )	0.87
		Outer Diameter (mm)	1.05
	Insulation	Thickness (mm)	1.98
		Over Diameter (mm)	5.00
	Outer Conductor 1	Thickness (mm)	0.07
		Over Diameter (mm)	5.1
	Outer Conductor 2	Construction (carr/end/mm)	24/ 7/0.14TA
		Pitch	<= 45
		Overall Diameter	5.7
	Inner Sheath	Thickness (mm)	0.4
		Over Diameter (mm)	6.5
Filler	Materials	Jute	
Overall Tape	Thickness (mm)	0.16	
Sheath	Thickness (mm)	1.6	
	Color	Black	
	Marking	75Ω Coaxial Cable V4-5CFB CANARE <Year Code> MADE IN JAPAN	
Overall Diameter (mm)		18.8	

- (4) **Weight** Approx. 36 kg / 100m
- (5) **Package** Not exceeding 60m: Coil  
Over 70m: 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	$\leq 21.3\Omega/\text{km}$ (20°C)	JIS C3005
	Outer Conductor	$\leq 8.3\Omega/\text{km}$ (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: 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	$\geq 10.0$ Mpa	JIS C3005
	Elongation	$\geq 190$ %	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.

# CABLE SPECIFICATION

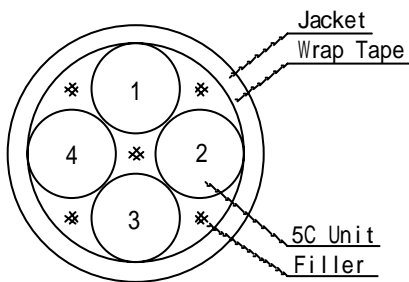
Model V 4 - 5 C Ver2.1  
 Applications Multi-Channel 75 Coaxial Cable



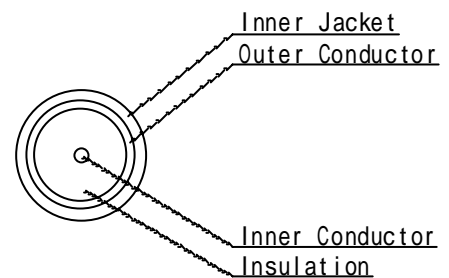
Canare Electric Co., Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Unit			4	
Inner Conductor	Structure	mm/qty (mil/)	A0.26/ 7 (10.24/ )	Annealed Copper 22AWG
	Nom. Cross Section Area	mm <sup>2</sup> (mil)	0.37 (573.5)	
	Outer Diameter	mm (mil)	0.78 (30.71)	
Insulation	Type		PE	
	Thickness	mm (mil)	2.01 (79.13)	
	Outer Diameter	mm (Inch)	4.80 (0.189)	
Outer Conductor	Type	mm/piece/carr(mil/)	A0.12/ 7/24 (4.72/ )	Annealed Copper
	Thickness	mm (mil)	-	
	Coverage	%	>93	
Inner Jacket	Type		PVC	Color:Red/Grn/Blu/Wht
	Thickness	mm (mil)	0.3 (11.81)	
	Overall Diameter	mm (Inch)	6.0 (0.24)	
Wrap Tape	Thickness	mm (mil)	0.05 (1.97)	Paper Tape
	Type		PVC	Filler Materials : Jute
Jacket	Thickness	mm (mil)	1.2 (47.24)	Color:Black
	Overall Diameter	mm (Inch)	17.1 (0.67)	Brittle Temp. -30° C (-22° F)
	Marking		75 Coaxial Cable V4-5C <Year code> MADE IN JAPAN	CANARE
Weight		kg/100m(lbs/1000ft)	33 (221.7)	

## Cable Cross Section



## Unit



Channel Color Code				
1	2	3	4	5
RED	GRN	BLU	WHT	

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks
D.C. Resistance	Inner Conductor	/100m (/1000ft)	<= 5.1 (<=15.4)	Attenuation dB/100m (/1000ft)
	Outer Conductor	/100m (/1000ft)	<= 1.2 (<=3.7)	
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	1000 (1000)	10MHz 2.9 (8.8)
Insulation Resistance	Between Conductors	M · km (-3000ft)	>= 1000 (>=1000)	30MHz 5.2 (15.8)
Char. Impedance		at 10MHz	75 ± 3	72MHz 8.1 (24.7)
Capacitance	Between Conductors	pF/m (pF/ft)	67 ± 3 (20.4)	88MHz 9.0 (27.4)
Attenuation		dB/100m (/1000ft)		135MHz 11.4 (34.7)
				180MHz 13.3 (40.5)
				270MHz 16.5 (50.3)
				750MHz 29.2 (89.0)

Mechanical Characteristics (Nominal)		Dimensions	Specifications	Remarks
Tensile Strength	Jacket	MPa	>= 11.0	
		%	>= 220	

<i>Environment Characteristics</i>	<i>Specifications</i>	<i>Remarks</i>
<i>Migration</i>	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: 50 ±1 Duration: 24 hours ±1 hour (humidity not designated) Load: 500g ±25g
<i>Flame Retardance</i>	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C 3005.
	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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.



## Product Specification (V4-3CFW)

Canare Electric Co., Ltd

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

2. **General Specifications**

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

(2) **Model Name** V4-3CFW

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

Fig. 1

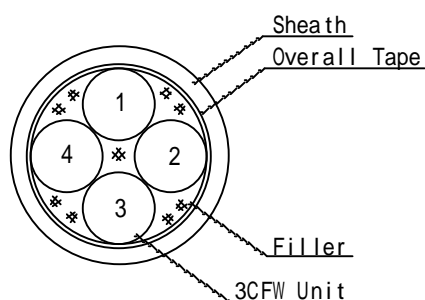
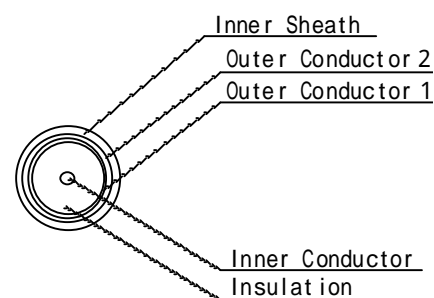


Fig.2



Channel Color Code : Inner Sheath

1	2	3	4
RED	GRN	BLU	WHT

Table 1

Item	Standard Value	Note		
No. of Unit	4	-		
Construction of Unit	Inner Conductor	Construction (qty/mm)	1/0.65A	Annealed Copper 22AWG
		Nom. Cross Section Area(mm <sup>2</sup> )	0.33	
		Outer Diameter (mm)	0.65	
	Insulation	Thickness (mm)	1.23	Foamed Polyethylene
		Outer Diameter (mm)	3.10	
	Outer Conductor 1	Construction (carr/end/mm)	24/ 5/0.12A	Annealed Copper Coverage >=94%
		Pitch (mm)	<= 20	
		Outer Diameter (mm)	3.6	
	Outer Conductor 2	Construction (carr/end/mm)	24/ 6/0.12A	Annealed Copper Coverage >=94%
		Pitch (mm)	<= 35	
		Outer Diameter (mm)	4.2	
	Inner Sheath	Thickness (mm)	0.3	Flame Retardant PVC
Outer Diameter (mm)		4.9		

Filler	Materials	Jute	-
Overall Tape	Thickness (mm)	0.16	Non Woven Fabric Tape
Sheath	Thickness (mm)	1.1	Flame Retardant PVC
	Color	Black	
	Marking	UHDTV-SDI 75 Coaxial Cable V4-3CFW CANARE <Year code> MADE IN JAPAN	
Outer Diameter (mm)		14.6	

(4) **Weight** Approx. 28 kg / 100m

(5) **Package** 100m less: Coil  
Over 110m: Wooden reel

### 3. Rating, Standard

(1) **Rated Voltage** AC 60Vrms

(2) **Temperature Range** -30 ~ +60

### 4. Electrical Characteristics

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	$\leq 55.6$ /km (20 )	JIS C3005
	Outer Conductor	$\leq 7.1$ /km (20 )	JIS C3005
Insulation Resistance		$\geq 1000M$ · km	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75 \pm 3$ (10MHz)	JIS C3502
Nominal Capacitance		55nF/km ( 1kHz)	JIS C3502
Nominal Attenuation		10MHz: 3.4dB/100m 30MHz: 5.9dB/100m 72MHz: 9.4dB/100m 88MHz: 10.4dB/100m 90MHz: 10.5dB/100m 135MHz: 13.0dB/100m 180MHz: 15.2dB/100m 270MHz: 18.9dB/100m 440MHz: 24.6dB/100m 750MHz: 33.1dB/100m 770MHz: 33.6dB/100m 1.3GHz: 45.4dB/100m 1.5GHz: 49.4dB/100m 2.4GHz: 65.3dB/100m 3.0GHz: 74.8dB/100m	JIS C3502

### 5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 11.0$ Mpa	JIS C3005
	Elongation	$\geq 220$ %	JIS C3005

### 6. Environment Characteristics

Item	Standard Value	Test Method
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: $50 \pm 1$ Duration: $24 \pm 1$ hours (humidity not designated) Load: $500 \pm 25$ g
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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

# CABLE SPECIFICATION

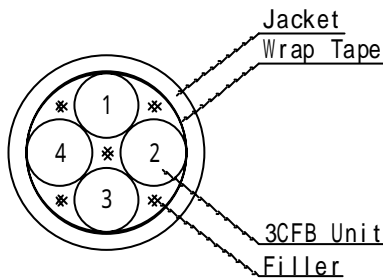
Model V 4 - 3 C F B Ver1.9  
 Applications Multi-Channel 75 Coaxial Video Cable



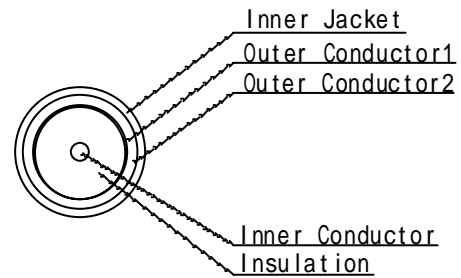
Canare Electric Co.,Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Unit			4	
Inner Conductor	Structure	mm/qty (mil/)	A0.65/ 1 (25.59/ )	Annealed Copper 22AWG
	Nom. Cross Section Area	mm <sup>2</sup> (mil)	0.33 (511.5)	
	Outer Diameter	mm (mil)	0.65 (25.59)	
Insulation	Type		Foam PE	
	Thickness	mm (mil)	1.23 (48.43)	
	Outer Diameter	mm (Inch)	3.10 (0.122)	
Outer Conductor1	Type	mm/piece/carr(mil/)	Aluminum foil	
	Thickness	mm (mil)	0.05 (1.97/ )	
	Coverage	%	100	
Outer Conductor2	Type	mm/piece/carr(mil/)	TA0.14/ 6/16 (5.51/ )	Tinned Annealed Copper
	Thickness	mm (mil)	-	
	Coverage	%	>91	
Inner Jacket	Type		PVC	Color:Red/Grn/Blu/Wht
	Thickness	mm (mil)	0.3 (11.81)	
	Overall Diameter	mm (Inch)	4.4 (0.17)	
Wrap Tape	Thickness	mm (mil)	0.05 (1.97)	Paper Tape
	Type		PVC	
Jacket	Thickness	mm (mil)	1.1 (43.31)	Filler Materials : Jute Color:Black Brittle Temp. -20° C (-4° F)
	Type			
	Thickness	mm (mil)	13.0 (0.51)	
	Overall Diameter	mm (Inch)		
Marking			75 Coaxial Cable V4-3CFB CANARE <Year code> MADE IN JAPAN	
Weight		kg/100m(lbs/1000ft)	19 (127.7)	

## Cable Cross Section



## Unit



Channel Color Code				
1	2	3	4	5
RED	GRN	BLU	WHT	

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks
D.C. Resistance	Inner Conductor	/100m (/1000ft)	<= 5.6 (<=17.0)	Attenuation dB/100m (/1000ft)
	Outer Conductor	/100m (/1000ft)	<= 1.6 (<=4.9)	
Voltage Withstanding	Min. Breakdown Voltage.	VAC: 1min	1000 (1000)	10MHz 3.7 (11.3)
Insulation Resistance	Between Conductors	M · km ( · 3000ft ) at 10MHz	>= 1000 (>=1000)	30MHz 5.9 (18.0)
				72MHz 8.7 (26.5)
Char. Impedance	Between Conductors	pF/m ( pF/ft )	75 ± 3	88MHz 9.5 (29.0)
				135MHz 11.7 (35.7)
Capacitance	Between Conductors	dB/100m (/1000ft)		180MHz 13.5 (41.1)
				270MHz 16.7 (50.9)
				750MHz 29.1 (88.7)
				1.5GHz 43.0 (131.1)

Mechanical Characteristics (Nominal)		Dimensions	Specifications	Remarks
Tensile Strength	Jacket	MPa	>= 10.0	
		%	>= 190	

<i>Environment Characteristics</i>	<i>Specifications</i>	<i>Remarks</i>
<i>Flame Retardance</i>	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C 3005.
	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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

# CABLE SPECIFICATION

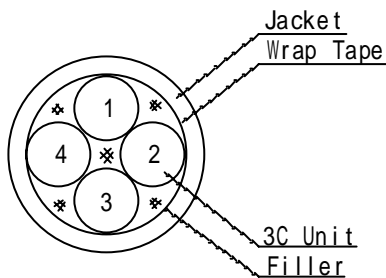
Model V 4 - 3 C Ver3.1  
 Applications Multi-Channel 75 Coaxial Video Cable



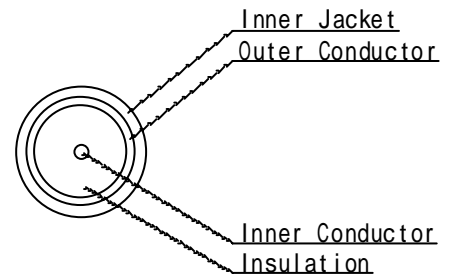
Canare Electric Co.,Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Unit			4	
Inner Conductor	Structure	mm/qty (mil/)	A0.18/ 7 (7.09/ )	Annealed Copper
	Nom. Cross Section Area	mm <sup>2</sup> (mil )	0.18 (279.0)	25AWG
	Outer Diameter	mm ( mil)	0.54 (21.26)	
Insulation	Type		PE	Polyethylene
	Thickness	mm ( mil)	1.28 (50.39)	
	Outer Diameter	mm ( Inch)	3.10 (0.122)	
Outer Conductor1	Type	mm/piece/carr(mil/)	A0.14/ 5/24 (5.51/ )	Annealed Copper
	Thickness	mm ( mil)	-	
	Coverage	%	>97	
Outer Conductor2	Type	mm/piece/carr(mil/)	-	
	Thickness	mm ( mil)	-	
	Coverage	%	-	
Inner Jacket	Type		PVC	Color:Red/Grn/Blu/Wht
	Thickness	mm ( mil)	0.3 (11.81)	
	Overall Diameter	mm ( Inch)	4.4 (0.17)	
Wrap Tape	Thickness	mm ( mil)	0.05 (1.97)	Paper Tape
	Type		PVC	Filler Materials : Jute
Jacket	Thickness	mm ( mil)	1.1 (43.31)	Color:Black
	Overall Diameter	mm ( Inch)	13.0 (0.51)	Brittle Temp. -30° C (-22° F)
	Marking		75 Coaxial Cable V4-3C CANARE	
			<Year code> MADE IN JAPAN	
Weight	kg/100m(lbs/1000ft)		20 (134.4)	

## Cable Cross Section



## Unit



Channel Color Code				
1	2	3	4	5
RED	GRN	BLU	WHT	

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks
D.C. Resistance	Inner Conductor	/100m ( /1000ft)	<= 10.6 (<=32.2)	Attenuation dB/100m ( /1000ft)
	Outer Conductor	/100m ( /1000ft)	<= 1.1 (<=3.4)	
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	1000 (1000)	10MHz 4.5 (13.7)
Insulation Resistance	Between Conductors	M · km ( · 3000ft )	>= 1000 (>=1000)	30MHz 7.9 (24.1)
			at 10MHz	75 ± 3
Char. Impedance			67 ± 3 (20.4)	88MHz 13.7 (41.8)
Capacitance	Between Conductors	pF/m ( pF/ft )		135MHz 17.2 (52.4)
Attenuation				180MHz 20.0 (61.0)
				270MHz 24.8 (75.6)
				750MHz 43.2 (131.7)

Mechanical Characteristics (Nominal)		Dimensions	Specifications	Remarks
Tensile Strength	Jacket	MPa	>= 11.0	
		%	>= 220	

<i>Environment Characteristics</i>	<i>Specifications</i>	<i>Remarks</i>
<i>Migration</i>	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: 50 ±1 Duration: 24 hours ±1 hour (humidity not designated) Load: 500g ±25g
<i>Flame Retardance</i>	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C 3005.
	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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

## Product Specification (V4-2.5CHW)

Canare Electric Co., Ltd

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

2. **General Specifications**

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

(2) **Model Name** V4-2.5CHW

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

Fig. 1

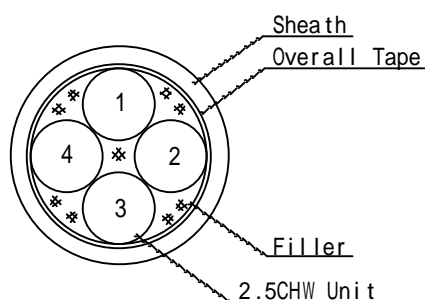
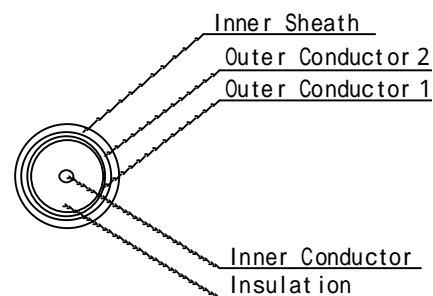


Fig.2



Channel Color Code : Inner Sheath

1	2	3	4
RED	GRN	BLU	WHT

Table 1

Item	Standard Value	Note		
No. of Unit	4	-		
Construction of Unit	Inner Conductor	Construction (qty/mm)	1/0.59A	Annealed Copper 22AWG
		Nom. Cross Section Area(mm <sup>2</sup> )	0.27	
		Outer Diameter (mm)	0.59	
	Insulation	Thickness (mm)	1.00	Foamed Polyethylene
		Outer Diameter (mm)	2.59	
	Outer Conductor 1	Construction (carr/end/mm)	16/ 8/0.10TA	Tinned Annealed Copper Coverage >=95%
		Pitch (mm)	<= 20	
		Outer Diameter (mm)	3.0	
	Outer Conductor 2	Construction (carr/end/mm)	16/ 9/0.10TA	Tinned Annealed Copper Coverage >=94%
		Pitch (mm)	<= 25	
		Outer Diameter (mm)	3.5	
	Inner Sheath	Thickness (mm)	0.3	Flame Retardant PVC
		Outer Diameter (mm)	4.2	



Filler	Materials	Rayon yarn	-
Overall Tape	Thickness (mm)	0.08	Non Woven Fabric Tape
Sheath	Thickness (mm)	1.1	Flame Retardant PVC
	Color	Black	
	Marking	UHDTV-SDI 75 Coaxial Cable V4-2.5CHW CANARE <Year code> MADE IN JAPAN	
Outer Diameter (mm)		13.0	

(4) **Weight** Approx. 21 kg / 100m

(5) **Package** 10m,30m,50m,100m: Coil  
Over 120m: Wooden reel

### 3. Rating, Standard

(1) **Rated Voltage** AC 60Vrms

(2) **Temperature Range** -30 ~ +60

### 4. Electrical Characteristics

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	$\leq 67.6$ /km (20 )	JIS C3005
	Outer Conductor	$\leq 10.0$ /km (20 )	JIS C3005
Insulation Resistance		$\geq 1000M$ · km	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75 \pm 3$ (10MHz)	JIS C3502
Nominal Capacitance		53nF/km ( 1kHz)	JIS C3502
Nominal Attenuation		10MHz: 3.8dB/100m 30MHz: 6.7dB/100m 72MHz: 10.4dB/100m 88MHz: 11.6dB/100m 90MHz: 11.7dB/100m 135MHz: 14.4dB/100m 180MHz: 16.8dB/100m 270MHz: 20.7dB/100m 440MHz: 26.9dB/100m 750MHz: 35.7dB/100m 770MHz: 36.3dB/100m 1.3GHz: 48.3dB/100m 1.5GHz: 52.3dB/100m 2.4GHz: 68.1dB/100m 3.0GHz: 77.4dB/100m	JIS C3502

### 5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 11.0$ Mpa	JIS C3005
	Elongation	$\geq 220$ %	JIS C3005

### 6. Environment Characteristics

Item	Standard Value	Test Method
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: $50 \pm 1$ Duration: $24 \pm 1$ hours (humidity not designated) Load: $500 \pm 25$ g
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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

## Product Specification (V4-1.5C)

Canare Electric Co., Ltd

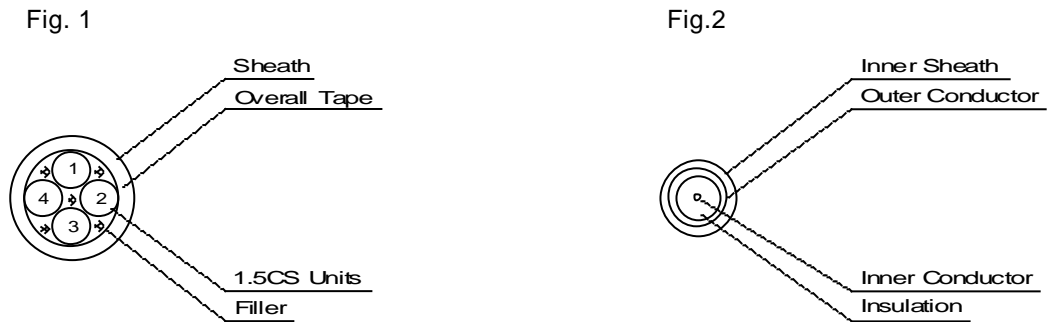
1. **Scope** This product specification covers the performance of the 75Ω Coaxial cable.

2. **General Specifications**

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

(2) **Model Name** V4-1.5C

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



Channel Color Code : Inner Sheath

1	2	3	4
RED	GRN	BLU	WHT

Table 1

Item	Standard Value	Note		
No. of Unit	4			
Construction of Unit	Inner Conductor	Construction (qty/mm)	7/0.09A	Annealed Copper 31AWG
		Nom. Cross Section Area (mm <sup>2</sup> )	0.04	
		Outer Diameter (mm)	0.27	
	Insulation	Thickness (mm)	0.64	Polyethylene
		Over Diameter (mm)	1.55	
	Outer Conductor	Construction (carr/end/mm)	16/ 5/0.10A	Annealed Copper Coverage >=94%
		Pitch (mm)	<= 15	
		Overall Diameter (mm)	2.0	
	Inner Sheath	Thickness (mm)	0.3	PVC
		Over Diameter (mm)	2.6	
Filler	Materials	Jute		
Overall Tape	Thickness (mm)	0.05	Paper Tape	
Sheath	Thickness (mm)	1.0	PVC	
	Color	Black		
	Marking	75Ω Coaxial Cable V4-1.5C CANARE <Year Code> E***** 20002 AWM VW-1		
Overall Diameter (mm)	8.4			

(4) **Weight** Approx. 9.4 kg / 100m

(5) **Package** Not exceeding 260m: Coil  
Over 270m: Wooden reel

**3. Rating, Standard**

- (1) **Rated Voltage** AC 30Vrms  
 (2) **Temperature Range** -30°C ~ +60°C  
 (3) **UL AWM** Style 20002

**4. Electrical Characteristics**

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	$\leq 422.4\Omega/\text{km}$ (20°C)	JIS C3005
	Outer Conductor	$\leq 32.9\Omega/\text{km}$ (20°C)	JIS C3005
Insulation Resistance		$\geq 1000\text{M}\Omega\text{-km}$	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75\pm 3\Omega$ (10MHz)	JIS C3501
Nominal Capacitance		$69\pm 4\text{nF}/\text{km}$ (1kHz)	JIS C3501
Nominal Attenuation		10MHz: 8.7dB/100m 30MHz: 15.1dB/100m 72MHz: 23.6dB/100m 88MHz: 26.2dB/100m 135MHz: 32.7dB/100m 180MHz: 37.9dB/100m 270MHz: 46.8dB/100m 750MHz: 80.5dB/100m 1.3GHz: 108.6dB/100m 1.5GHz: 117.5dB/100m 2.0GHz: 137.9dB/100m 2.5GHz: 156.3dB/100m 3.0GHz: 173.4dB/100m	JIS C3501

**5. Mechanical Characteristics**

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 11.0$ MPa	JIS C3005
	Elongation	$\geq 220$ %	JIS C3005

**6. Environment Characteristics**

Item	Standard Value	Test Method
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: $50\pm 1^\circ\text{C}$ Duration: $24\pm 1$ hours (Humidity not designated) Load: $500\pm 25\text{g}$
Flame Retardance	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C3005.

**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.

## Product Specification (V3-5CFW)

Canare Electric Co., Ltd

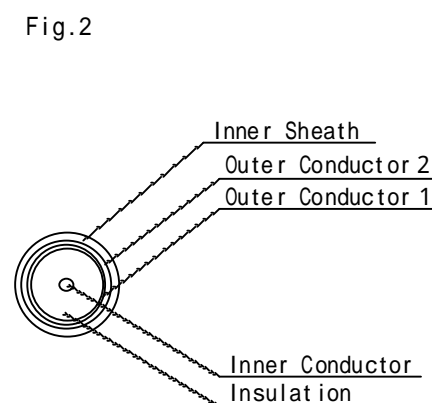
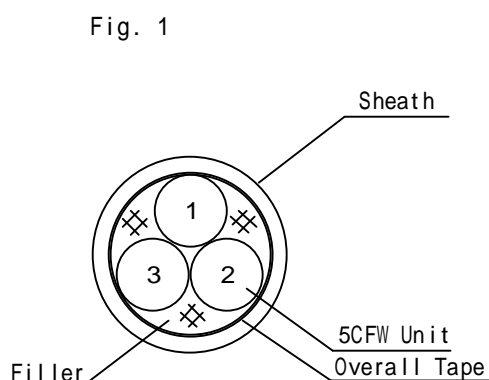
1. **Scope** This product specification covers the performance of the 75 Coaxial cable.

2. **General Specifications**

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

(2) **Model Name** V3-5CFW

(3) **Construction and Appearance** As shown in Fig.1 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)	1/1.05A	
		Nom. Cross Section Area(mm <sup>2</sup> )	0.87	
		Outer Diameter (mm)	1.05	
	Insulation	Thickness (mm)	1.93	Foamed Polyethylene
		Outer Diameter (mm)	4.90	
	Outer Conductor 1	Construction (carr/end/mm)	24/ 7/0.12A	Annealed Copper Coverage >=93%
		Pitch (mm)	<= 25	
		Outer Diameter (mm)	5.4	
	Outer Conductor 2	Construction (carr/end/mm)	24/ 9/0.12A	Annealed Copper Coverage >=96%
		Pitch (mm)	<= 40	
		Outer Diameter (mm)	6.0	
	Inner Sheath	Thickness (mm)	0.5	Flame Retardant PVC
Outer Diameter (mm)		7.0		

Filler	Materials	PP	
Overall Tape	Thickness (mm)	0.16	Non Woven Fabric Tape
Sheath	Thickness (mm)	1.4	Flame Retardant PVC
	Color	Black	
	Marking	UHDTV-SDI 75 Coaxial Cable V3-5CFW CANARE <Year code> MADE IN JAPAN	
Outer Diameter (mm)		18.4	

(4) **Weight** Approx. 36 kg / 100m

(5) **Package** 70m less: Coil  
Over 80m: Wooden reel

### 3. Rating, Standard

(1) **Rated Voltage** AC 60Vrms

(2) **Temperature Range** -30 ~ +60

### 4. Electrical Characteristics

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	$\leq 23.6$ /km (20 )	JIS C3005
	Outer Conductor	$\leq 5.0$ /km (20 )	JIS C3005
Insulation Resistance		$\geq 1000M \cdot km$	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75 \pm 3$ (10MHz)	JIS C3502
Nominal Capacitance		55nF/km ( 1kHz)	JIS C3502
Nominal Attenuation		10MHz: 2.1dB/100m 30MHz: 3.6dB/100m 72MHz: 5.6dB/100m 88MHz: 6.2dB/100m 90MHz: 6.3dB/100m 135MHz: 7.8dB/100m 180MHz: 9.0dB/100m 270MHz: 11.2dB/100m 440MHz: 14.5dB/100m 750MHz: 19.4dB/100m 770MHz: 19.6dB/100m 1.3GHz: 26.2dB/100m 1.5GHz: 28.4dB/100m 2.4GHz: 37.1dB/100m 3.0GHz: 42.2dB/100m	JIS C3502

### 5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 11.0$ Mpa	JIS C3005
	Elongation	$\geq 220$ %	JIS C3005

### 6. Environment Characteristics

Item	Standard Value	Test Method
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: $50 \pm 1$ Duration: $24 \pm 1$ hours (humidity not designated) Load: $500 \pm 25$ g
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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

## Product Specification (V3-5CFB)

Canare Electric Co., Ltd

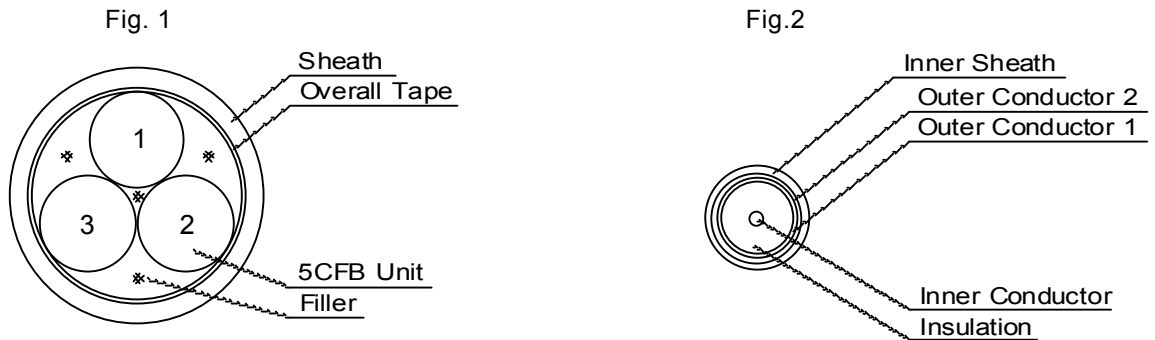
1. **Scope** This product specification covers the performance of the 75Ω Coaxial cable.

2. **General Specifications**

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

(2) **Model Name** V3-5CFB

(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 <sup>2</sup> ) Outer Diameter (mm)	1/1.05A 0.87 1.05 Annealed Copper 18AWG
	Insulation	Thickness (mm) Over Diameter (mm)	1.98 5.00 Foamed Polyethylene
	Outer Conductor 1	Thickness (mm) Over Diameter (mm)	0.07 5.1 Aluminium Laminated Tape
	Outer Conductor 2	Construction (carr/end/mm) Pitch Overall Diameter	24/ 7/0.14TA ≤ 45 5.7 Tinned Annealed Copper Coverage ≥93%
	Inner Sheath	Thickness (mm) Over Diameter (mm)	0.4 6.5 PVC
	Filler	Materials	Jute
	Overall Tape	Thickness (mm)	0.16 Non Woven Fabric Tape
	Sheath	Thickness (mm) Color Marking	1.6 Black 75Ω Coaxial Cable V3-5CFB CANARE <Year Code> MADE IN JAPAN PVC
	Overall Diameter (mm)	17.1	

(4) **Weight** Approx. 29 kg / 100m

(5) **Package** Not exceeding 80m: Coil  
Over 90m: 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	$\leq 21.3\Omega/\text{km}$ (20°C)	JIS C3005
	Outer Conductor	$\leq 8.3\Omega/\text{km}$ (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: 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	$\geq 10.0$ Mpa	JIS C3005
	Elongation	$\geq 190$ %	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.

# CABLE SPECIFICATION

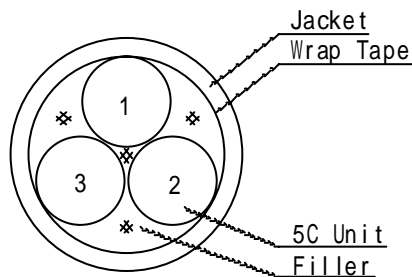
Model V 3 - 5 C Ver2.1  
 Applications Multi-Channel 75 Coaxial Cable



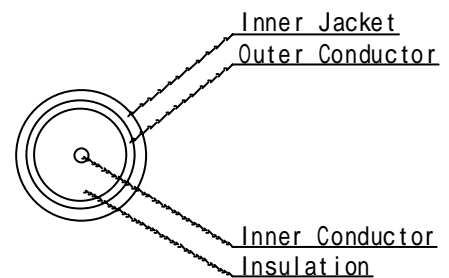
Canare Electric Co., Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Unit			3	
Inner Conductor	Structure	mm/qty (mil/)	A0.26/ 7 (10.24/ )	Annealed Copper 22AWG
	Nom. Cross Section Area	mm <sup>2</sup> (mil)	0.37 (573.5)	
	Outer Diameter	mm (mil)	0.78 (30.71)	
Insulation	Type		PE	
	Thickness	mm (mil)	2.01 (79.13)	
	Outer Diameter	mm (Inch)	4.80 (0.189)	
Outer Conductor	Type	mm/piece/carr(mil/)	A0.12/ 7/24 (4.72/ )	Annealed Copper
	Thickness	mm (mil)	-	
	Coverage	%	>93	
Inner Jacket	Type		PVC	Color:Red/Grn/Blu
	Thickness	mm (mil)	0.3 (11.81)	
	Overall Diameter	mm (Inch)	6.0 (0.24)	
Wrap Tape	Thickness	mm (mil)	0.05 (1.97)	Paper Tape
	Type		PVC	Filler Materials : Jute
Jacket	Thickness	mm (mil)	1.2 (47.24)	Color:Black
	Overall Diameter	mm (Inch)	15.5 (0.61)	Brittle Temp. -30° C (-22° F)
	Marking		75 Coaxial Cable V3-5C <Year code> MADE IN JAPAN	CANARE
	Weight	kg/100m(lbs/1000ft)	26 (174.7)	

## Cable Cross Section



## Unit



Channel Color Code				
1	2	3	4	5
RED	GRN	BLU		

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks	
D.C. Resistance	Inner Conductor	/100m (/1000ft)	<= 5.1 (<=15.4)	Attenuation dB/100m (/1000ft)	
	Outer Conductor	/100m (/1000ft)	<= 1.2 (<=3.7)		10MHz 2.9 (8.8)
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	1000 (1000)		30MHz 5.2 (15.8)
Insulation Resistance	Between Conductors	M · km (-3000ft)	>= 1000 (>=1000)		72MHz 8.1 (24.7)
Char. Impedance		at 10MHz	75 ± 3		88MHz 9.0 (27.4)
Capacitance	Between Conductors	pF/m (pF/ft)	67 ± 3 (20.4)		135MHz 11.4 (34.7)
Attenuation					180MHz 13.3 (40.5)
					270MHz 16.5 (50.3)
					750MHz 29.2 (89.0)

Mechanical Characteristics (Nominal)		Dimensions	Specifications	Remarks
Tensile Strength	Jacket	MPa	>= 11.0	
		%	>= 220	

<i>Environment Characteristics</i>	<i>Specifications</i>	<i>Remarks</i>
<i>Migration</i>	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: 50 ±1 Duration: 24 hours ±1 hour (humidity not designated) Load: 500g ±25g
<i>Flame Retardance</i>	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C 3005.
	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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

## Product Specification (V3-4CFB)

Canare Electric Co., Ltd

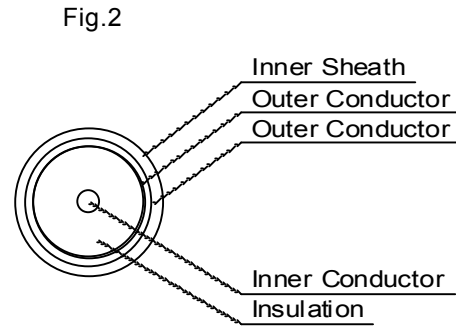
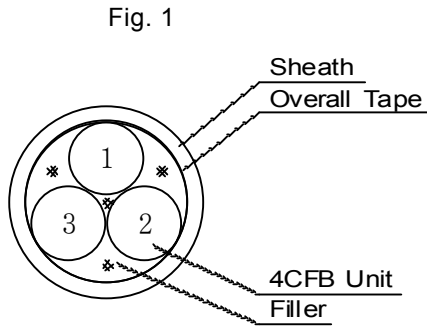
1. **Scope** This product specification covers the performance of the 75Ω Coaxial cable.

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 <sup>2</sup> ) 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) Color Marking	1.0 Black 75Ω Coaxial Cable V3-4CFB CANARE <Year Code> MADE IN JAPAN	PVC	
		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	$\geq 10.0$ Mpa	JIS C3005
	Elongation	$\geq 190$ %	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.

## Product Specification (V3-3CFW)

Canare Electric Co., Ltd

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

2. **General Specifications**

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

(2) **Model Name** V3-3CFW

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

Fig. 1

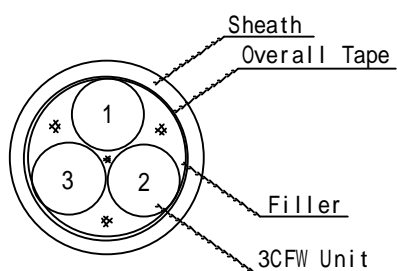
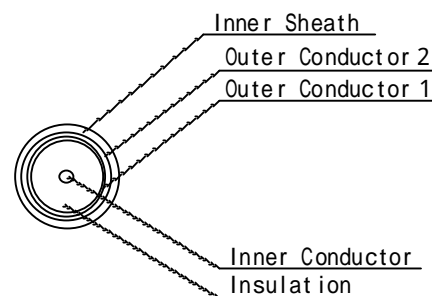


Fig.2



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)	1/0.65A	
		Nom. Cross Section Area(mm <sup>2</sup> )	0.33	
		Outer Diameter (mm)	0.65	
	Insulation	Thickness (mm)	1.23	Foamed Polyethylene
		Outer Diameter (mm)	3.10	
	Outer Conductor 1	Construction (carr/end/mm)	24/ 5/0.12A	Annealed Copper Coverage >=94%
		Pitch (mm)	<= 20	
		Outer Diameter (mm)	3.6	
	Outer Conductor 2	Construction (carr/end/mm)	24/ 6/0.12A	Annealed Copper Coverage >=94%
		Pitch (mm)	<= 35	
		Outer Diameter (mm)	4.2	
	Inner Sheath	Thickness (mm)	0.3	Flame Retardant PVC
Outer Diameter (mm)		4.9		

Filler	Materials	Jute	-
Overall Tape	Thickness (mm)	0.16	Non Woven Fabric Tape
Sheath	Thickness (mm)	1.0	Flame Retardant PVC
	Color	Black	
	Marking	UHDTV-SDI 75 Coaxial Cable V3-3CFW CANARE <Year code> MADE IN JAPAN	
Outer Diameter (mm)		13.0	

(4) **Weight** Approx. 22 kg / 100m

(5) **Package** 100m less: Coil  
Over 110m: Wooden reel

### 3. Rating, Standard

(1) **Rated Voltage** AC 60Vrms

(2) **Temperature Range** -30 ~ +60

### 4. Electrical Characteristics

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	$\leq 55.7$ /km (20 )	JIS C3005
	Outer Conductor	$\leq 7.1$ /km (20 )	JIS C3005
Insulation Resistance		$\geq 1000M \cdot km$	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75 \pm 3$ (10MHz)	JIS C3502
Nominal Capacitance		55nF/km ( 1kHz)	JIS C3502
Nominal Attenuation		10MHz: 3.4dB/100m 30MHz: 5.9dB/100m 72MHz: 9.4dB/100m 88MHz: 10.4dB/100m 90MHz: 10.5dB/100m 135MHz: 13.0dB/100m 180MHz: 15.2dB/100m 270MHz: 18.9dB/100m 440MHz: 24.6dB/100m 750MHz: 33.1dB/100m 770MHz: 33.6dB/100m 1.3GHz: 45.4dB/100m 1.5GHz: 49.4dB/100m 2.4GHz: 65.3dB/100m 3.0GHz: 74.8dB/100m	JIS C3502

### 5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 11.0$ Mpa	JIS C3005
	Elongation	$\geq 220$ %	JIS C3005

### 6. Environment Characteristics

Item	Standard Value	Test Method
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: $50 \pm 1$ Duration: $24 \pm 1$ hours (humidity not designated) Load: $500 \pm 25$ g
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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.



# CABLE SPECIFICATION

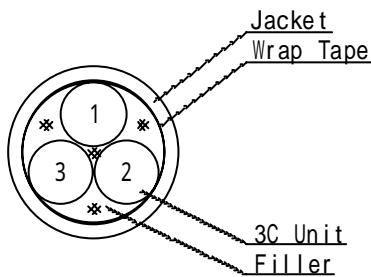
Model V 3 - 3 C Ver3.1  
 Applications Multi-Channel 75 Coaxial Video Cable



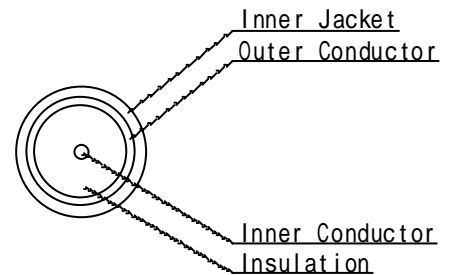
Canare Electric Co.,Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Unit			3	
Inner Conductor	Structure	mm/qty (mil/ )	A0.18/ 7 (7.09/ )	Annealed Copper
	Nom. Cross Section Area	mm <sup>2</sup> ( mil )	0.18 (279.0)	25AWG
	Outer Diameter	mm ( mil)	0.54 (21.26)	
Insulation	Type		PE	Polyethylene
	Thickness	mm ( mil)	1.28 (50.39)	
	Outer Diameter	mm ( Inch)	3.10 (0.122)	
Outer Conductor1	Type	mm/piece/carr(mil/ )	A0.14/ 5/24 (5.51/ )	Annealed Copper
	Thickness	mm ( mil)	-	
	Coverage	%	>97	
Outer Conductor2	Type	mm/piece/carr(mil/ )	-	
	Thickness	mm ( mil)	-	
	Coverage	%	-	
Inner Jacket	Type		PVC	Color:Red/Grn/Blu
	Thickness	mm ( mil)	0.3 (11.81)	
	Overall Diameter	mm ( Inch)	4.4 (0.17)	
Wrap Tape	Thickness	mm ( mil)	0.05 (1.97)	Paper Tape
	Type		PVC	Filler Materials : Jute
Jacket	Thickness	mm ( mil)	0.9 (35.43)	Color:Black
	Overall Diameter	mm ( Inch)	11.5 (0.45)	Brittle Temp. -30° C (-22° F)
	Marking		75 Coaxial Cable V3-3C <Year code> MADE IN JAPAN	CANARE
Weight	kg/100m(lbs/1000ft)		15 (100.8)	

## Cable Cross Section



## Unit



Channel Color Code				
1	2	3	4	5
RED	GRN	BLU		

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks
D.C. Resistance	Inner Conductor	/100m ( /1000ft)	<= 10.6 (<=32.2)	Attenuation dB/100m ( /1000ft)
	Outer Conductor	/100m ( /1000ft)	<= 1.1 (<=3.4)	
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	1000 (1000)	10MHz 4.5 (13.7)
Insulation Resistance	Between Conductors	M · km ( · 3000ft )	>= 1000 (>=1000)	30MHz 7.9 (24.1)
Char. Impedance		at 10MHz	75 ± 3	72MHz 12.4 (37.8)
Capacitance	Between Conductors	pF/m ( pF/ft )	67 ± 3 (20.4)	88MHz 13.7 (41.8)
Attenuation				135MHz 17.2 (52.4)
				180MHz 20.0 (61.0)
				270MHz 24.8 (75.6)
				750MHz 43.2 (131.7)

Mechanical Characteristics (Nominal)		Dimensions	Specifications	Remarks
Tensile Strength	Jacket	MPa	>= 11.0	
		%	>= 220	

<i>Environment Characteristics</i>	<i>Specifications</i>	<i>Remarks</i>
<i>Migration</i>	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: 50 ±1 Duration: 24 hours ±1 hour (humidity not designated) Load: 500g ±25g
<i>Flame Retardance</i>	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C 3005.
	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 , a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.

## Product Specification (V3-1.5C)

Canare Electric Co., Ltd

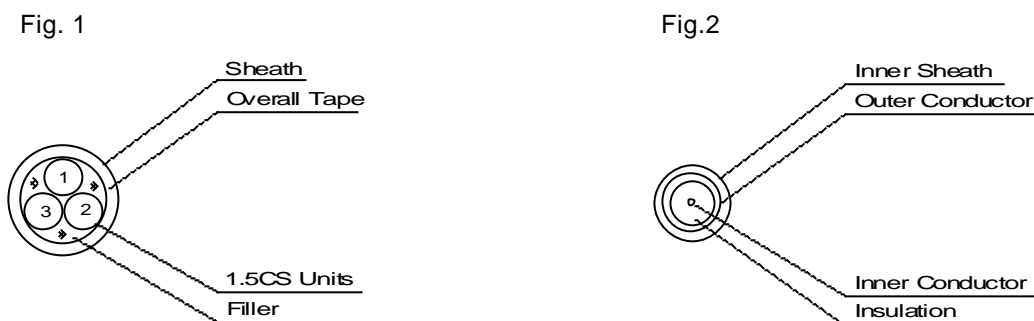
1. **Scope** This product specification covers the performance of the 75Ω Coaxial cable.

2. **General Specifications**

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

(2) **Model Name** V3-1.5C

(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)	7/0.09A	Annealed Copper 31AWG
		Nom. Cross Section Area(mm <sup>2</sup> )	0.04	
		Outer Diameter (mm)	0.27	
	Insulation	Thickness (mm)	0.64	Polyethylene
		Over Diameter (mm)	1.55	
	Outer Conductor	Construction (carr/end/mm)	16/ 5/0.10A	Annealed Copper Coverage >=94%
		Pitch (mm)	<= 15	
		Overall Diameter (mm)	2.0	
	Inner Sheath	Thickness (mm)	0.3	PVC
		Over Diameter (mm)	2.6	
Filler	Materials	Jute		
Overall Tape	Thickness (mm)	0.05	Paper Tape	
Sheath	Thickness (mm)	0.8	PVC	
	Color	Black		
	Marking	75Ω Coaxial Cable V3-1.5C CANARE <Year Code> E**** 2002 AWM VW-1		
Overall Diameter (mm)	7.4			

(4) **Weight** Approx. 7.3 kg / 100m

(5) **Package** Not exceeding 340m: Coil  
Over 350m: Wooden reel

**3. Rating, Standard**

- (1) **Rated Voltage** AC 30Vrms  
 (2) **Temperature Range** -30°C ~ +60°C  
 (3) **UL AWM** Style 20002

**4. Electrical Characteristics**

Item		Standard Value	Test Method
D.C. Resistance	Inner Conductor	$\leq 422.8\Omega/\text{km}$ (20°C)	JIS C3005
	Outer Conductor	$\leq 32.9\Omega/\text{km}$ (20°C)	JIS C3005
Insulation Resistance		$\geq 1000\text{M}\Omega\text{-km}$	JIS C3005
Voltage Proof		AC1000V 1minute Not Breakdown	JIS C3005
Characteristic Impedance		$75\pm 3\Omega$ (10MHz)	JIS C3501
Nominal Capacitance		$69\pm 4\text{nF}/\text{km}$ (1kHz)	JIS C3501
Nominal Attenuation		10MHz: 8.7dB/100m 30MHz: 15.1dB/100m 72MHz: 23.6dB/100m 88MHz: 26.2dB/100m 135MHz: 32.7dB/100m 180MHz: 37.9dB/100m 270MHz: 46.8dB/100m 750MHz: 80.5dB/100m 1.3GHz: 108.6dB/100m 1.5GHz: 117.5dB/100m 2.0GHz: 137.9dB/100m 2.5GHz: 156.3dB/100m 3.0GHz: 173.4dB/100m	JIS C3501

**5. Mechanical Characteristics**

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 11.0\text{ MPa}$	JIS C3005
	Elongation	$\geq 220\%$	JIS C3005

**6. Environment Characteristics**

Item	Standard Value	Test Method
Migration	No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection.	Test conditions: Temperature: $50\pm 1^\circ\text{C}$ Duration: $24\pm 1$ hours (Humidity not designated) Load: $500\pm 25\text{g}$
Flame Retardance	Flame must extinguish naturally within 60 seconds.	Perform inclination test according to JIS C3005.

**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.