

# CABLE SPECIFICATION

A3V2-FB 1/3



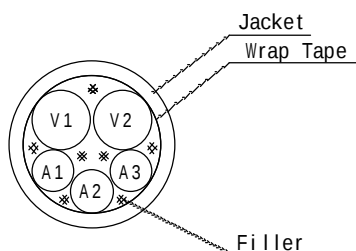
Model A 3 V 2 - F B Ver1.4

Applications Composite Cable ; Video + Audio

Description Coaxial(Video)\_2, Shielded-Pair(Audio)\_3

| UNIT-Type                |                  |                     | Diameter mm ( mil)                          |         | Remarks                       |
|--------------------------|------------------|---------------------|---------------------------------------------|---------|-------------------------------|
| Coaxial Unit             | 3CFB Unit        | V1,V2               | 4.4                                         | (0.17)  | Color:Yel,Wht                 |
| Audio Unit               | L-2B2AT Unit     | A1,A2,A3            | 3.2                                         | (0.13)  | Color:Gry/Red,Gry/Blu,Gry/Yel |
| Physical Characteristics |                  |                     | Dimensions                                  |         | Specifications                |
| Wrap Tape                | Thickness        | mm ( mil)           | 0.05                                        | (1.97)  | Paper Tape                    |
| Outer Shield             | Type             | mm/piece (mil/ )    | -                                           |         | Filler Materials : Cotton     |
|                          | Coverage         | %                   | -                                           |         |                               |
| Drain Wire               | Structure        | mm/qty (mil/ )      | -                                           |         |                               |
|                          | Gage             |                     | -                                           |         |                               |
| Jacket                   | Type             |                     | PVC                                         |         | Color:Black                   |
|                          | Thickness        | mm ( mil)           | 1.1                                         | (43.31) |                               |
|                          | Overall Diameter | mm ( Inch)          | 12.4                                        | (0.49)  | Brittle Temp. -20° C(- 4° F)  |
|                          | Marking          |                     | A3V2-FB CANARE <Year code><br>MADE IN JAPAN |         |                               |
| Weight                   |                  | kg/100m(lbs/1000ft) | 17.0                                        | (114.2) |                               |

## Cable Cross Section



| Electrical Characteristics (Nominal) |                        | Dimensions                 | Specifications   |  | Remarks                                                                  |
|--------------------------------------|------------------------|----------------------------|------------------|--|--------------------------------------------------------------------------|
| Coaxial-Unit Section                 |                        |                            |                  |  |                                                                          |
| D.C.Resistance                       | Inner Conductor        | $\Omega$ /100m ( /1000ft)  | <= 5.6 (<=16.9)  |  | Attenuation dB/100m ( /1000ft)<br>10MHz 3.7 (11.3)<br>750MHz 29.1 (88.7) |
|                                      | Outer Conductor        | $\Omega$ /100m ( /1000ft)  | <= 1.6 (<=4.8)   |  |                                                                          |
| Voltage Withstanding                 | Min.Breakdown Voltage. | VAC:1min                   | 1000 (1000)      |  |                                                                          |
| Insulation Resistance                | Between Conductors     | M $\Omega$ ·km ( ·3000ft ) | >= 1000 (>=1000) |  |                                                                          |
| Char. Impedance                      |                        | $\Omega$ at 10MHz          | 75 $\pm$ 3       |  |                                                                          |
| Capacitance                          | Between Conductors     | pF/m ( pF/ft )             | 55 (16.8)        |  |                                                                          |
| Audio-Unit Section                   |                        |                            |                  |  |                                                                          |
| Rated Voltage                        |                        | V                          | AC 60            |  |                                                                          |
| Rated Current                        |                        |                            | -                |  |                                                                          |
| D.C.Resistance                       | Conductor              | $\Omega$ /100m ( /1000ft)  | <= 10.6 (<=32.2) |  |                                                                          |
|                                      | Shield Conductor       | $\Omega$ /100m ( /1000ft)  | -                |  |                                                                          |
| Voltage Withstanding                 | Min.Breakdown Voltage. | VAC:1min                   | 500 (500)        |  |                                                                          |
| Insulation Resistance                | Between Conductors     | M $\Omega$ ·km ( ·3000ft ) | >= 1000 (>=1000) |  |                                                                          |

| Mechanical Characteristics |        | Dimensions | Specifications | Remarks |
|----------------------------|--------|------------|----------------|---------|
| Tensile Strength           | Jacket | MPa        | $\geq 10.0$    |         |
|                            |        | %          | $\geq 190$     |         |

| Environment Characteristics | Specifications                                     | Remarks                                          |
|-----------------------------|----------------------------------------------------|--------------------------------------------------|
| 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 C60068-1 General Environmental Tesing 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

3CFB-Unit 2/3

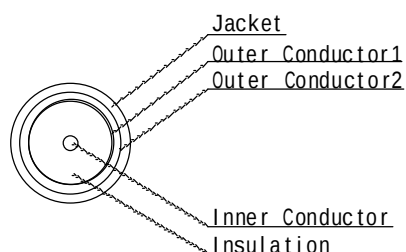


Canare Electric Co.,Ltd.

Model <Unit> 3 C F B Unit Ver2.1  
Applications 75Ω Coaxial Video Cable.

| Physical Characteristics |                        | Dimensions               | Specifications        | Remarks                    |
|--------------------------|------------------------|--------------------------|-----------------------|----------------------------|
| Inner Conductor          | Structure              | mm/qty (mil/ )           | A0.65/ 1 (25.59/ )    | Annealed Copper            |
|                          | Nom.Cross Section Area | mm <sup>2</sup> ( mil□ ) | 0.33 (511.5)          | 22AWG                      |
|                          | Outer Diameter         | mm ( mil )               | 0.65 (25.59)          |                            |
| Insulation               | Type                   |                          | FPE                   | Foam Polyethylene          |
|                          | Thickness              | mm ( mil )               | 1.23 (48.43)          |                            |
|                          | Outer Diameter         | mm ( Inch )              | 3.10 (0.122)          |                            |
|                          | Type                   | mm/piece/carr(mil/ )     | Aluminum foil         |                            |
|                          | Thickness              | mm ( mil )               | 0.05 (1.97)           |                            |
| Outer Conductor          | Coverage               | %                        | 100                   | Tinned Annealed Copper     |
|                          | Type                   | mm/piece/carr(mil/ )     | TA0.14/ 6/16 (5.51/ ) |                            |
|                          | Thickness              | mm ( mil )               | -                     |                            |
|                          | Coverage               | %                        | >91                   |                            |
| Inner Jacket             | Type                   |                          | PVC                   | Color:Yel,Wht              |
|                          | Thickness              | mm ( mil )               | 0.3 (11.81)           |                            |
|                          | Overall Diameter       | mm ( Inch )              | 4.4 (0.17)            |                            |
|                          |                        |                          |                       | Brittle Temp. -20°C (-4°F) |

Cable Cross Section



| Mechanical Characteristics  |        | Dimensions                                                                                             | Specifications | Remarks                                                                                                           |
|-----------------------------|--------|--------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------|
| Tensile Strength            | Jacket | MPa<br>%                                                                                               | -<br>-         |                                                                                                                   |
| Environment Characteristics |        | Specifications                                                                                         |                | Remarks                                                                                                           |
| Flame Retardance            |        | -                                                                                                      |                | -                                                                                                                 |
| Migration                   |        | No deformity, discoloration or other flaws must be found on ABS resin plates during visual inspection. |                | Test conditions:<br>Temperature: 50 ±1<br>Duration: 24 hours ±1 hour (humidity not designated)<br>Load: 500g ±25g |

# CABLE SPECIFICATION

L-2B2AT-Unit 3/3

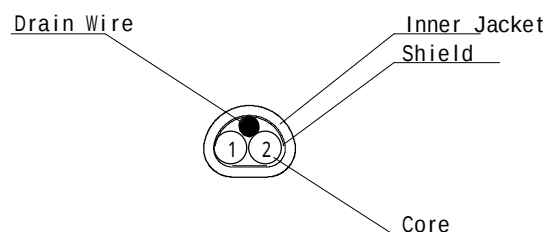


Canare Electric Co.,Ltd.

Model <Unit> L - 2 B 2 A T Unit Ver4.9  
Applications Audio Cable for Microphone, Line

| Physical Characteristics   |                         | Dimensions                           | Specifications    | Remarks                           |
|----------------------------|-------------------------|--------------------------------------|-------------------|-----------------------------------|
| No. of Cond.<br>Conductor  | Structure               | mm/qty (mil/ )                       | 2                 | Pair                              |
|                            | Nom. Cross Section Area | mm <sup>2</sup> ( mil <sup>2</sup> ) | A0.12/16 (4.72/ ) | Annealed Copper                   |
|                            | Outer Diameter          | mm ( mil )                           | 0.18 (279.0)      | 25AWG                             |
| Insulation                 | Type                    |                                      | 0.56 (22.05)      |                                   |
|                            | Thickness               | mm ( mil )                           | XLPE              | Crosslinked Polyethylene          |
|                            | Outer Diameter          | mm ( Inch )                          | 0.32 (12.60)      | Color:Org & Wht                   |
| Pair/Quad Strand<br>Shield | Pitch                   | mm ( Inch )                          | 1.20 (0.047)      |                                   |
|                            | Type                    | mm/piece/carr(mil/ )                 | <= 25.0 (<=0.98)  |                                   |
|                            | Thickness               | mm ( mil )                           | Aluminum foil     | Drain Wire : 0.12mm/25(4.72mil/ ) |
| Inner Jacket               | Coverage                | %                                    | 0.03 (1.18)       | 23AWG/ Tinned Annealed Copper     |
|                            | Type                    |                                      | 100               |                                   |
|                            | Thickness               | mm ( mil )                           | PVC               | Color:Gry                         |
| Overall Diameter           |                         | mm ( Inch )                          | 0.3 (11.81)       |                                   |
|                            |                         |                                      | 3.2 (0.13)        |                                   |
|                            |                         |                                      |                   | Brittle Temp. -20°C (-4°F)        |

Cable Cross Section



| Mechanical Characteristics (Nominal) |        | Dimensions                                         | Specifications                                   | Remarks |
|--------------------------------------|--------|----------------------------------------------------|--------------------------------------------------|---------|
| Tensile Strength                     | Jacket | MPa                                                | >= 19.0                                          |         |
|                                      |        | %                                                  | >= 220                                           |         |
|                                      |        |                                                    |                                                  |         |
| Environment Characteristics          |        | Specifications                                     | Remarks                                          |         |
| Flame Retardance                     |        | Flame must extinguish naturally within 60 seconds. | Perform inclination test according to JIS C3005. |         |