

# CABLE SPECIFICATION

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Model DA202F-8P SAA277E Ver1.2  
Applications Multi-Channel Twisted-Pairs AES/EBU Digital Cable.

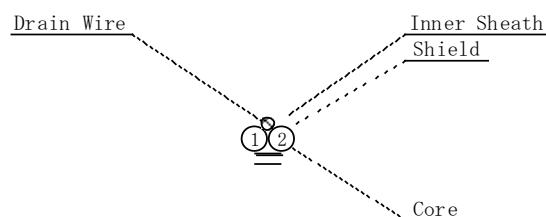
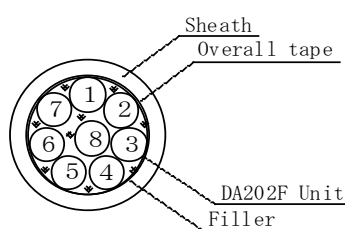


Canare Electric Co., Ltd.

| Physical Characteristics | Unit                    | Standard Value                                                         | Note                                |
|--------------------------|-------------------------|------------------------------------------------------------------------|-------------------------------------|
| No. of Cond.             |                         | 16                                                                     | 8 Pairs                             |
| Conductor                | Construction            | 7/ TA0.18 (7.09/ )                                                     | Tinned Annealed Copper              |
|                          | Nom. Cross Section Area | 0.18 (279.0)                                                           | 25AWG                               |
|                          | Outer Diameter          | 0.54 (21.26)                                                           |                                     |
| Insulation               | Type                    | Foamed-XLPE                                                            | Foamed Crosslinked polyethylene     |
|                          | Thickness               | 0.29 (11.42)                                                           | Color: See Channel Color Code       |
|                          | Outer Diameter          | 1.12 (0.044)                                                           |                                     |
| Pair/Quad Strand         | Pitch                   | <= 25.0 (<=0.98)                                                       |                                     |
| Overall Tape             | Thickness               | —                                                                      |                                     |
| Shield                   | Type                    | 65±3/ TA0.10 (3.94/ )                                                  | Drain Wire : 7/TA0.18mm ( /7.09mil) |
| (Spiral)                 | Thickness               | —                                                                      | 25AWG/ Tinned Annealed Copper       |
|                          | Coverage                | 91                                                                     |                                     |
| Inner Sheath             | Type                    | PVC                                                                    | Color:Blue                          |
|                          | Thickness               | 0.3 (11.81)                                                            |                                     |
|                          | Overall Diameter        | 3.0 (0.12)                                                             |                                     |
| Overall Tape             | Thickness               | 0.05 (1.97)                                                            | Paper Tape                          |
| Sheath                   | Type                    | PVC                                                                    | Filler Materials : PP               |
|                          | Thickness               | 1.1 (43.31)                                                            | Color:Blue                          |
|                          | Overall Diameter        | 11.5 (0.45)                                                            | Brittle Temp. -30°C(-22°F)          |
|                          | Marking                 | 110Ω Digital Audio Cable DA202F-8P CANARE<br><Year code> MADE IN JAPAN |                                     |
| Weight                   | kg/100m(lbs/1000ft)     | 17.0 (114.2)                                                           |                                     |

## Cable Cross Section

### Unit



Channel Color Code : Insulator<Color Code>Wht> & Inner Sheath\_Blu <Spiral Marker>

| 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   |
|-----|-----|-----|-----|-----|-----|-----|-----|
| BRN | RED | ORN | YEL | GRN | BLU | PPL | GRY |

| Electrical Characteristics (Nominal) | Unit                    | Standard Value     | Note             |
|--------------------------------------|-------------------------|--------------------|------------------|
| Rated Voltage                        | V                       | AC 60              |                  |
| Operating temperature                | °C (°F)                 | -30~+60 (-22~+140) |                  |
| Rated Current                        |                         | —                  |                  |
| D. C. Resistance                     | Conductor               | Ω/100m ( /1000ft)  | <= 11.3 (<=34.5) |
|                                      | Shield                  | Ω/100m ( /1000ft)  | <= 3.0 (<=9.1)   |
| Voltage Withstanding                 | Min. Breakdown Voltage. | VAC-1min           | 500 (500)        |
| Insulation Resistance                | Between Conductors      | MΩ·km ( ·3000ft )  | >= 1000 (>=1000) |
| Char. Impedance                      |                         | Ω at 6MHz          | 110±20           |

| Mechanical Characteristics (Nominal) | Unit   | Standard Value | Note    |
|--------------------------------------|--------|----------------|---------|
| Tensile Strength                     | Sheath | MPa            | >= 11.0 |
|                                      |        | %              | >= 220  |

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

**Note:** Testing must be performed under standard conditions set down in "JIS C 60068-1 General Environmental Testing Rules(Electric/Electronics)."

**Standard Conditions:** Unless otherwise specified, all tests and measurements should be performed within a normal temperature range of 15-35°C, a relative humidity of 25-75%, and an atmospheric pressure of 86-106kPa.