

Product Specification (DA203AL)

SAA118E

Ver.1.8

Canare Electric Co., Ltd

1. **Scope** This product specification covers the specifications for digital audio cable.

2. General Specifications

(1) **Product Name** 110Ω Digital Audio Cable

(2) **Model Name** DA203AL

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

Color of the Insulation

1	2
Red	White

Fig. 1

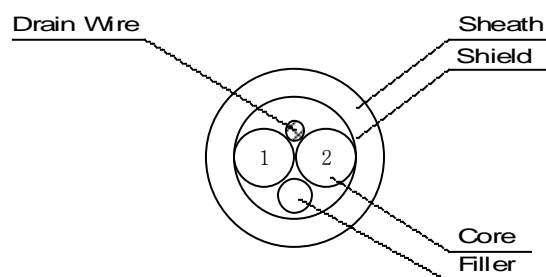


Table 1

Item			Standard Value	Note
No. of Core			2	1 Pair
Core	Conductor	Construction (qty/mm)	7 / 0.23TA	Overall tin coated Copper 23AWG
		Nom. Cross Section Area (mm ²)	0.29	
		Outer Diameter (mm)	0.69	
	Insulation	Thickness (mm)	0.68	Cross-Linked Polyethylene
		Outer Diameter (mm)	2.05	
Strand		Pitch (mm)	<= 45	Twisted Pair
Filler		Materials	PE	-
Drain Wire		Construction (qty/mm)	7 / 0.23TA	Overall tin coated Copper
Shield		Thickness (mm)	0.03	Aluminum laminated Tape
		Outer Diameter (mm)	4.2	
Sheath		Thickness (mm)	0.9	PVC
		Color	Blue	
		Marking	110Ω Digital Audio Cable DA203AL CANARE <Year code> MADE IN JAPAN	
Outer Diameter			6.0	

(4) **Weight** Approx. 4.2kg / 100m

(5) **Package** 100m, 153m, 200m, 305m : Spool

400m, 500m: Wooden spool

Over 540m: Wooden reel

3. Rating, Standard**(1) Rated Voltage** AC 60Vrms**(2) Temperature Range** -20 to +60°C**4. Electrical Characteristics**

Item	Standard Value	Test Method
D.C. Resistance	$\leq 68.3\Omega / \text{km}$ (20°C)	JIS C3005
Insulation Resistance	$\geq 1000\text{M}\Omega\text{-km}$	JIS C3005
Voltage Proof	AC500V, 1minute Not Breakdown	JIS C3005
Characteristic Impedance	90 to 120 Ω (6MHz)	OPEN / SHOT Circuit

5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 10.0 \text{ MPa}$	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.

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.