

Product Specification (DA203-8AL)

SAA121E

Ver.1.8

Canare Electric Co., Ltd

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

2. **General Specifications**

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

(2) **Model Name** DA203-8AL

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

(4)

Fig.1 Construction

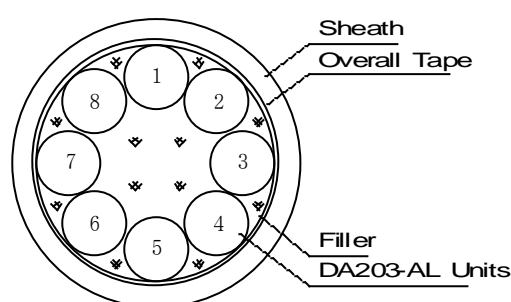
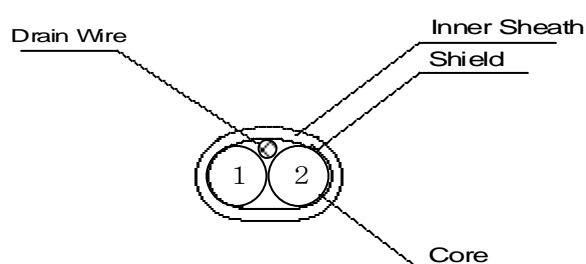


Fig.2 DA203-AL Unit Construction



The units are identified by the color of the insulator and the spiral marker on the intermediate sheath.

[Upper: insulator color, Lower: spiral marker color]

1	2	3	4	5	6	7	8
RED - WHT	BLU - WHT	YEL - WHT	GRN - WHT	BRN - WHT	GRY - WHT	BLU - BLK	YEL - BLK
RED	BLU	YEL	GRN	BRN	-	BLU - BLK	YEL - BLK

Table 1

Item				Standard Value	Note	
No. of Core				16	8 pairs	
Units Construction	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)	42	Twisted Pair	
	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		
	Inner Sheath		Thickness (mm)		0.3	PVC
			Outer Diameter (mm)		4.9	

Table 1 (continuation)

Item		Standard Value	Note
Filler	Materials	PP	-
Overall Tape	Thickness (mm)	0.16	Nonwoven Fabric Tape
Sheath	Thickness (mm)	1.2	PVC
	Color	BLUE	
	Marking	110Ω Digital Audio Cable DA203-8AL CANARE <Year code> MADE IN JAPAN	
Outer Diameter (mm)		19.3	-

(5) **Weight** Approx. 33.2kg/100m

(6) **Package** Less than 60m :Coil
Over 70m :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		$\leq 69.2\Omega/\text{km}$ (20°C)	JIS C 3005
Insulation Resistance		$\geq 1000\text{M}\Omega\text{-km}$	JIS C 3005
Voltage Proof		AC500V, 1minute Not Breakdown	JIS C 3005
Characteristic Impedance		90 to 120Ω (6MHz)	OPEN / SHOT Circuit

5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 10.0\text{ MPa}$	JIS C 3005
	Elongation	$\geq 190\%$	JIS C 3005

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.