

Product Specification (L-2B2AT)

Canare Electric Co., Ltd

1. **Scope** This product specification covers the performance of the 2 Core Shield cable.

2. General Specifications

(1) **Product Name** 2 Core Shield Cable

(2) **Model Name** L-2B2AT

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

Color of the Insulation

1	2
Orange	White

Fig. 1

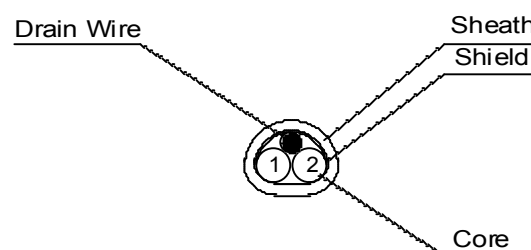


Table 1

Item			Standard Value	Note
No. of Conductor			2	1 Pair
Core	Conductor	Construction (qty/mm)	16 / 0.12A	Annealed Copper
		Nom. Cross Section Area(mm²)	0.18	25AWG
		Outer Diameter (mm)	0.56	
	Insulation	Thickness (mm)	0.32	Cross-Linked Polyethylene
		Outer Diameter (mm)	1.20	
Strand		Pitch (mm)	<= 25	Pair
Drain Wire		Construction (qty/mm)	25 / 0.12TA	Tinned Annealed Copper
Shield		Thickness (mm)	0.03	Aluminum laminated Tape
		Outer Diameter (mm)	2.5	
Sheath		Thickness (mm)	0.3	PVC
		Color	Black, Grey Custom colors available	
		Marking	L-2B2AT CANARE <Year code> MADE IN JAPAN	
Outer Diameter			3.2	

(4) **Weight** Approx. 1.3kg / 100m

(5) **Package** 200m, 500m, 1000m : Spool

3. Rating, Standard

- (1) **Rated Voltage** AC 60 Vrms
(2) **Temperature Range** -20 ~ +60°C

4. Electrical Characteristics

Item	Standard Value	Test Method
D.C. Resistance	$\leq 104.6\Omega / \text{km}$ (20°C)	JIS C3005
Insulation Resistance	$\geq 1000\text{M}\Omega \cdot \text{km}$	JIS C3005
Voltage Proof	AC500V 1minute Not Breakdown	JIS C3005

5. Mechanical Characteristics

Item		Standard Value	Test Method
Tensile properties of Sheath	Tensile strength	$\geq 19.0 \text{ Mpa}$	JIS C3005
	Elongation	$\geq 220 \%$	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.