

Product Specification (L-2E5AT)

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-2E5AT

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

Fig. 1

Color of the Insulation

1	2
Blue	White

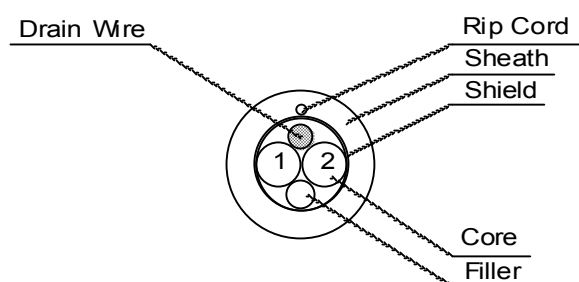


Table 1

Item			Standard Value	Note
No. of Conductor			2	1 Pair
Core	Conductor	Construction (qty/mm)	12 / 0.18A	Annealed Copper
		Nom. Cross Section Area(mm²)	0.31	23AWG
		Outer Diameter (mm)	0.75	
	Insulation	Thickness (mm)	0.40	Cross-Linked Polyethylene
		Outer Diameter (mm)	1.55	
Strand		Pitch (mm)	<= 30	Pair
Filler		Materials	Polyester	
Drain Wire		Construction (qty/mm)	16 / 0.18TA	Tinned Annealed Copper
Shield		Thickness (mm)	0.03	Aluminum laminated Tape
		Outer Diameter (mm)	3.2	
Rip Cord		Materials	Polyester	
Sheath		Thickness (mm)	0.9	PVC
		Color	Black, Grey, Sepia Custom colors available	
		Marking	L-2E5AT CANARE <Year code> MADE IN JAPAN	
Outer Diameter			5.0	

(4) **Weight** Approx. 4.0kg / 100m

(5) **Package** 100m, 200m, 400m : Spool
Over 630m : Wooden reel

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	$\leq 62.0\Omega/\text{km}$ (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	$\geq 10.0 \text{ Mpa}$	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.
	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 UL1581.

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.