

CABLE SPECIFICATION

1/1

Model

L-4E3-12P

Ver4.3

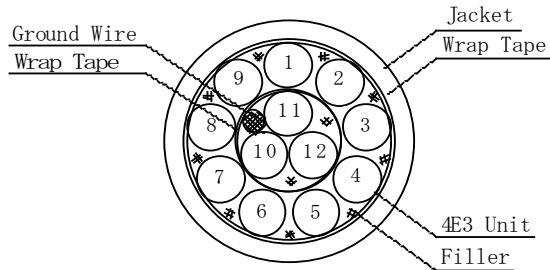
Applications



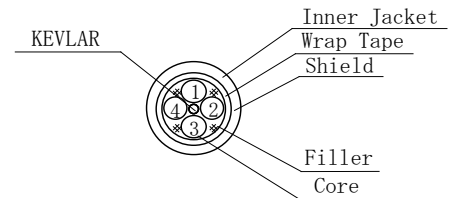
Canare Electric Co., Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Cond. Conductor	Structure	mm/qty (mil/)	24 A0.08/ 60 (3.15/)	12 Quads Annealed Copper
	Nom. Cross Section Area	mm ² (mil ²)	0.30 (465.0)	23AWG
	Outer Diameter	mm (mil)	0.72 (28.35)	
Insulation	Type		XLPE	XLPE:Crosslinked Polyethylene
	Thickness	mm (mil)	0.50 (19.69)	
	Outer Diameter	mm (Inch)	1.72 (0.068)	
Pair/Quad Strand Shield	Pitch	mm (Inch)	<= 20.0 (<=0.79)	Filler Materials :Cotton/KEVLAR
	Type	mm/piece/carr(mil/)	A0.10/ 8/16 (3.94/)	Annealed Copper
	Thickness	mm (mil)	—	
Inner Jacket	Coverage	%	94	
	Type		PVC	Color:Gray
	Thickness	mm (mil)	0.4 (13.78)	
Wrap Tape Jacket	Overall Diameter	mm (Inch)	4.7 (0.19)	
	Thickness	mm (mil)	0.16 (6.30)	Non Woven Fabric Tape
	Type		PVC	Filler Materials :Jute
	Thickness	mm (mil)	1.6 (62.99)	Color :Black
	Overall Diameter	mm (Inch)	22.2 (0.87)	Brittle Temp. -20°C(-4°F)
	Marking		2T2S-12P CANARE CABLE MADE IN JAPAN	<Year code>
Weight		kg/100m(lbs/1000ft)	36 (241.9)	

Cable Cross Section



Unit



Channel Color Code : Inner Jacket_GRY <Spiral Marker>

1	2	3	4	5	6	7	8	9	10
RED	BLU	YEL	GRN	BRN	—	BLU·BLK	YEL·BLK	GRN·BLK	BRN·BLK
1 1	1 2	1 3	1 4	1 5	1 6	1 7	1 8	1 9	2 0
— ·BLK	BLU·ORN								
2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	3 0
3 1	3 2	3 3	3 4	3 5	3 6	3 7	3 8	3 9	4 0

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks	
Rated Voltage		V	AC 60		
Rated Current			—		
D. C. Resistance	Conductor	Ω /100m (/1000ft)	$\leq$ 24.9 ($\leq$ 75.9)		
	Shield	Ω /100m (/1000ft)	$\leq$ 3.4 ($\leq$ 10.4)		
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	500 (500)		
Insulation Resistance	Between Conductors	M Ω ·km (·3000ft)	$\geq$ 1000 ($\geq$ 1000)		
Char. Impedance		Ω at 6MHz	—		
Capacitance	Between Conductors	pF/m (pF/ft)	—		
	Conductors to Shield	pF/m (pF/ft)	—		
Attenuation		dB/100m (/1000ft)	—		
Mechanical Characteristics (Nominal)		Dimensions	Specifications	Remarks	
Tensile Strength		Jacket	MPa	$\geq$ 11.0	
			%	$\geq$ 260	
Environment Characteristics		Specifications		Remarks	
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.