

CABLE SPECIFICATION

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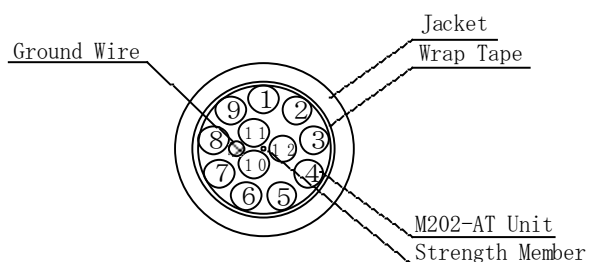
Model	M202-12AT	Ver2.9
Applications	Multi-Channel Twisted-Pairs Microphne Cable. Each channel is isolated using insulated<PET>aluminum foil shield	



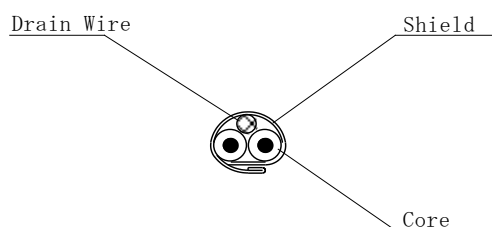
Canare Electric Co.,Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Cond. Conductor	Structure	qty/mm (/mil)	24	12 Pairs
	Nom. Cross Section Area	mm ² (mil ²)	16/A0.12 (/4.72)	Annealed Copper
	Outer Diameter	mm (mil)	0.18 (279.0)	25AWG
Insulation	Type		XLPE	XLPE:Crosslinked Polyethylene
	Thickness	mm (mil)	0.32 (12.60)	Color: See Channel Color Code
	Outer Diameter	mm (Inch)	1.20 (0.047)	
Pair/Quad Strand Shield	Pitch	mm (Inch)	<= 30.0 (<=1.18)	
	Type	carr/piece/mm(/mil)	Aluminum foil	Drain Wire : 25/0.12mm(/4.72mil)
	Thickness	mm (mil)	0.04 (1.57)	23AWG/ Tinned Annealed Copper
Inner Jacket	Coverage	%	100	
	Type		—	Color:Sepia Each channel is isolated using insulated<PET>aluminum foil shield
	Thickness	mm (mil)	—	
Wrap Tape Jacket	Overall Diameter	mm (Inch)	2.5 (0.10)	
	Thickness	mm (mil)	0.16 (6.30)	Non Woven Fabric Tape
	Type		PVC	Strength Member : KEVLAR
	Thickness	mm (mil)	1.3 (51.18)	Color:Black
	Overall Diameter	mm (Inch)	12.5 (0.49)	Brittle Temp. -30°C(-22°F)
	Marking		M202-12AT CANARE CABLE <Year code> MADE IN JAPAN	
Weight		kg/100m(lbs/1000ft)	18 (121.0)	

Cable Cross Section



Unit



Channel Color Code		; Insulator<ex. RED-WHT>							
1	2	3	4	5	6	7	8	9	10
RED-WHT	BLU-WHT	YEL-WHT	GRN-WHT	BRN-WHT	GRY-WHT	BLU-BLK	YEL-BLK	GRN-BLK	BRN-BLK
11	12	13	14	15	16	17	18	19	20
GRY-BLK	BLU-ORN								
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

Electrical Characteristics (Nominal)		Dimensions	Specifications	Remarks
Rated Voltage		V	AC 60	
Rated Current			—	
D. C. Resistance	Conductor	Ω/100m (/1000ft)	<= 10.6 (<=32.3)	
	Shield	Ω/100m (/1000ft)	—	
Voltage Withstanding Min. Breakdown Voltage.		VAC·1min	500 (500)	
Insulation Resistance Between Conductors		MΩ·km (/3000ft)	>= 1000 (>=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	>= 16.0	
		%	>= 250	
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-C0010 General Environmental Tesing 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.