

# CABLE SPECIFICATION

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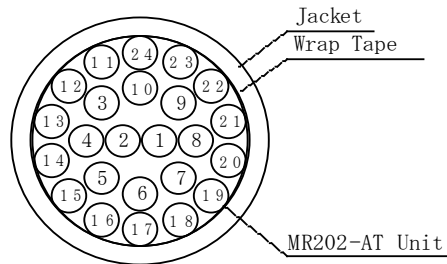
Model MR202-24AT Ver5.0  
 Applications \_\_\_\_\_



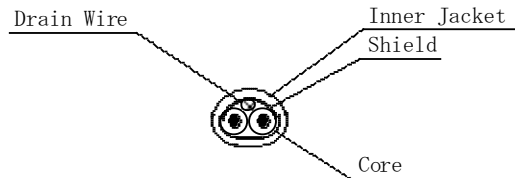
Canare Electric Co., Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Cond. Conductor	Structure	mm/qty (mil/)	48	24 Pairs
	Nom. Cross Section Area	mm <sup>2</sup> (mil <sup>2</sup> )	A0.18/ 7 (7.09/ )	Annealed Copper
Insulation	Outer Diameter	mm ( mil)	0.18 (279.0)	25AWG
	Type		0.54 (21.26)	
	Thickness	mm ( mil)	XLPE	Crosslinked Polyethylene
Pair/Quad Strand Shield	Outer Diameter	mm ( Inch)	0.23 (9.06)	Color: See Channel Color Code
	Pitch	mm ( Inch)	1.00 (0.039)	
	Type	mm/piece/carr(mil/)	<= 25.0 (<=0.98)	
Inner Jacket	Thickness	mm ( mil)	Aluminum foil	Drain Wire : 0.18mm/7(7.09mil/ )
	Coverage	%	0.03 (1.18)	25AWG/ Tinned Annealed Copper
	Type		100	
	Thickness	mm ( mil)	PVC	Color:Black · Brown · Red
Wrap Tape Jacket	Overall Diameter	mm ( Inch)	0.3 (11.81)	
	Thickness	mm ( mil)	0.06 (2.36)	Paper Tape
	Type		PVC	
	Thickness	mm ( mil)	1.3 (51.18)	Color:Black
Weight	Overall Diameter	mm ( Inch)	17.4 (0.69)	Brittle Temp. -20°C (-4°F)
	Marking		MR202-24AT CANARE <Year code>	
			MADE IN JAPAN	
Weight		kg/100m(lbs/1000ft)	34 (228.5)	

## Cable Cross Section



## Unit



Channel Color Code ; Insulator<Color Code·Clear>  
 & Inner Jacket (1~9ch\_BLK, 10~19ch\_BRN, 20~24ch\_RED) <Spiral Marker>

BRN	RED	ORN	YEL	GRN	BLU	PPL	GRY	WHT	BLK
1 1	1 2	1 3	1 4	1 5	1 6	1 7	1 8	1 9	2 0
BRN	RED	ORN	YEL	GRN	BLU	PPL	GRY	WHT	BLK
2 1	2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	3 0
BRN	RED	ORN	YEL						
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			AC 60	
Rated Current			—	
D. C. Resistance	Conductor	Ω/100m ( /1000ft)	<= 10.7 (<=32.5)	
	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	>= 10.0	
		%	>= 190	

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 C60068-1 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.