

CABLE SPECIFICATION

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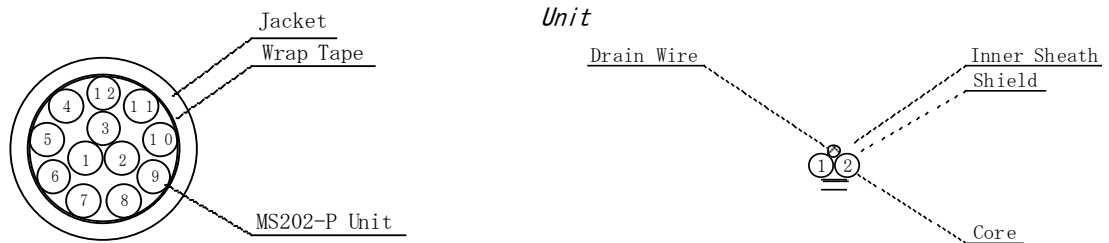
Model MS 202-12P SAA315E Ver.1.3
Applications Multi-Channel Twisted-Pairs Shield Cable.



Canare Electric Co., Ltd.

Physical Characteristics		Dimensions	Specifications	Remarks
No. of Cond. Conductor	Structure	qty/mm (mil)	24	12 Pairs
			1/ TA0.18 (/7.09)	Composite Conductor
			30/ TA0.08 (/3.15)	Tinned Annealed Copper
Insulation	Nom. Cross Section Area	mm ² (mil ²)	0.18 (279.0)	25AWG
	Outer Diameter	mm (mil)	0.54 (21.26)	
	Type		XLPE	Crosslinked Polyethylene
	Thickness	mm (mil)	0.22 (8.66)	Color: See Channel Color Code
Pair/Quad Strand	Outer Diameter	mm (Inch)	1.00 (0.039)	
	Pitch	mm (Inch)	≤ 25.0 (≤0.98)	
	Type	piece/carr/mm (mil)	58±3/ TA0.1 (/3.94)	Drain Wire : 7/TA0.18mm (/7.09mil)
Shield	Thickness	mm (mil)		25AWG/ Tinned Annealed Copper
	Coverage	%	>91	
	Type		PVC	Color:Black・Brown
Inner Jacket	Thickness	mm (mil)	0.3 (11.81)	
	Overall Diameter	mm (Inch)	2.8 (0.11)	
	Marking		α-Fi series MS202-12P IN JAPAN	CANARE <Year code> MADE
Weight		kg/100m (lbs/1000ft)	24.2 (162.6)	

Cable Cross Section



Channel Color Code : Insulator<Color Code-Clear> & Inner Jacket(1~9ch BLK, 10~12ch BRN) <Spiral Marker>

1	2	3	4	5	6	7	8	9	10
BRN	RED	ORN	YEL	GRN	BLU	PPL	GRY	WHT	BLK
11	12	13	14	15	16	17	18	19	20
BRN	RED								
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)	≤ 11.4 (≤ 34.8)	
	Shield	Ω /100m (/1000ft)	≤ 3.3 (≤ 10.0)	
Voltage Withstanding	Min. Breakdown Voltage.	VAC·1min	500 (500)	
Insulation Resistance	Between Conductors	M Ω ·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	≥ 11.0	
		%	≥ 220	
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.