

CABLE SPECIFICATION

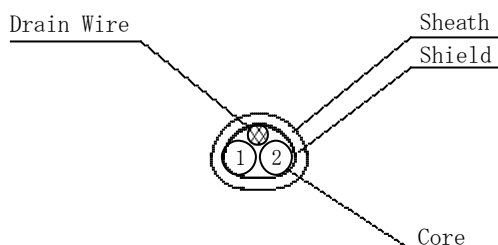
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Model MS 2 0 3 SAA151E Ver1. 6
Applications Audio, Control, and Instrumentation Cable



Physical Characteristics		Unit	Standard Value		Note
No. of Cond. Conductor	Construction	qty/mm (/mil)	2		
	Nom. Cross Section Area	mm ² (mil□)	12/TA0.18 (/7.09)		Tinned Annealed Copper
	Outer Diameter	mm (mil)	0.31 (480.5)		23AWG
Insulation	Type		0.75 (29.53)		
	Thickness	mm (mil)	XLPE		Crosslinked Polyethylene
	Outer Diameter	mm (Inch)	0.27 (10.63)		Color:Org & Wht
Pair/Quad Strand Shield (Spiral)	Pitch	mm (Inch)	1.29 (0.051)		
	Type	piece/mm (/mil)	<= 30 (<=1.18)		
	Thickness	mm (mil)	73±3/TA0.10 (/3.94)		Drain Wire : 7/0.26mm (/10.42mil)
Sheath	Coverage	%	0.1 (3.94)		22AWG/ Tinned Annealed Copper
	Type		>91		
	Thickness	mm (mil)	PVC		Color:Gry.
Overall Diameter		mm (Inch)	0.3 (11.81)		Custom colors available.
Marking			3.5 (0.14)		Brittle Temp. -20° C (-4° F)
Weight		kg/100m (lbs/1000ft)	2.1 (14.1)		

Cable Cross Section



Electrical Characteristics (Nominal)		Unit	Standard Value	Note
Rated Voltage		V	AC 60	
Rated Current			—	
D. C. Resistance	Conductor	$\Omega/100\text{m}$ (/1000ft)	≤ 65.2 (≤ 198.7)	
	Shield Conductor	$\Omega/100\text{m}$ (/1000ft)	≤ 23.0 (≤ 70.1)	
Voltage Proof	Min. Breakdown Voltage.	VAC·1min	500 (500)	
Insulation Resistance Between Conductors		M Ω ·km (·3000ft)	≥ 1000 (≥ 1000)	
Mechanical Characteristics (Nominal)		Unit	Standard Value	Note
Tensile Strength	Sheath	MPa	≥ 16.0	
		%	≥ 220	
Environment Characteristics		Specifications		Note
Flame Retardance		Flame must extinguish naturally within 60 seconds.		Perform inclination test according to JIS C 3005.

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.