
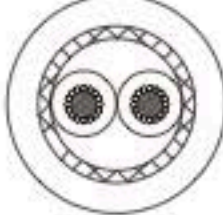



**MINIATURE BALANCED MIC.CABLES/LAVALIER MIC.CABLES**

**SPECIFICATIONS**

Configuration				
Part No.		2697	3031	2901
No. of Conductor		2		
Conductor	Details	16/0.08 A <T1000D*1>		43/0.04 Cu-Sn
	Size(mm <sup>2</sup> )	0.08mm <sup>2</sup> (#29AWG)		0.054mm <sup>2</sup> (#30AWG)
Insulation	Ov. Dia. (mm)	0.85φ(0.033")		0.6φ(0.0236")
	Material	PVC		Polyester
	Colours	Red/White		Black/Red
Filler Thread		—		Polypropylene
Shield		Served Shield Approx.60/0.08A	Braided Shield 16/6/0.08A	Double Served Shield Approx.36/0.08A, Approx.40/0.08A
Jacket	Ov. Dia. (mm)	2.5φ(0.098")	2.8φ(0.110")	2.16φ(0.085")
	Material	Flexible PVC		
	Colours	Black	Black/White	Black
Roll Sizes		50 m (164Ft) 100m (328Ft) 200m (656Ft)	200m (656Ft)(on spool)	305 m (1000Ft)
Weight		1.8kg/200m	2.5kg/200m	2.6kg/305m

**ELECTRICAL & MECHANICAL CHARACTERISTICS**

Part No.		2697	3031	2901
DC Resistance at 20°C	Inner Cond.	0.23Ω/m(0.070Ω/Ft)		
	Shield	0.063Ω/m(0.019Ω/Ft)	0.038Ω/m(0.0116Ω/Ft)	0.07Ω/m(0.0214Ω/Ft)
Capacitance at 1kHz, 20°C ( Partial C. Value ) See below figure <sup>*(1)</sup>	K <sub>0</sub>	300pF/m(92pF/Ft)	290pF/m(88 pF/Ft)	176pF/m(54 pF/Ft)
	K <sub>1</sub>	57pF/m(17pF/Ft)	70pF/m(21 pF/Ft)	32pF/m(9.8 pF/Ft)
Inductance between conductors at 1kHz, 20°C		0.8μH/m (0.24μH/Ft)		
Electrostatic Noise <sup>*(2)</sup>		50 mV Max.	200mV Max.	1mV Max.
Electromagnetic Noise <sup>*(2)</sup>		0.15 mV Max.		
Microphonics at 50kΩ Load <sup>*(2)</sup>		300mV Max.	150mV Max.	40mV Max.
Voltage Breakdown		Must withstand at DC 500V/15 sec.		
Insulation Resistance		10 <sup>5</sup> MΩ · m Min. at DC 125 V, 20°C		
Flex Life <sup>*(2)</sup>		34,100 cycles	26,000 cycles	177,000 cycles
Tensile Strength		294 N	313 N	176 N
Emigration		Non-Emigrant to ABS resin		
Applicable Temperature		-20°C~ + 70°C (-4°F~ + 158°F)		

\* (2) Using standard testing methods of Mogami Wire & Cable Corp.

\* (1) Partial Capacitance

