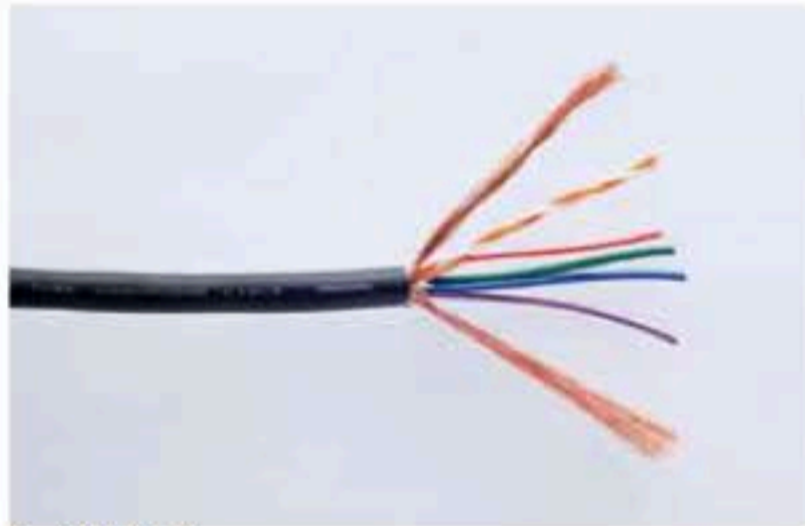



## HIGHEST DEFINITION TUBE MICROPHONE CABLE

Specifically designed highest sound quality tube microphone cable based on representative electrical circuits of today's tube microphone including its power supply. Applicable to most representative tube microphones.



Part No.3172

### SPECIFICATIONS

Configuration			
Part No.		3172	
No. of Conductor		6	Signal Assignment
Conductor	Details	2x(30/0.08OFC)	
	Size(mm <sup>2</sup> )	0.15mm <sup>2</sup> (#26AWG)	
Insulation	Ov. Dia. (mm)	1.0φ(0.039")	
	Material	XLPE	
	Colours	Orange/White	
Conductor	Details	2x(75/0.04Cu-Sn)	
	Size(mm <sup>2</sup> )	0.094mm <sup>2</sup> (#28AWG)	
Insulation	Ov. Dia. (mm)	1.0φ(0.039")	
	Material	XLPE	
	Colours	Red/Purple	
Conductor	Details	2x(80/0.08A)	
	Size(mm <sup>2</sup> )	0.40mm <sup>2</sup> (#22AWG)	
Insulation	Ov. Dia. (mm)	1.6φ(0.063")	
	Material	PVC	
	Colours	Green/Blue	
Shield		Double Served Shield Approx. 120/0.10A and Approx. 120/0.10A	
Binder	Thickness	0.025mm(0.00098")	
	Material	Paper Tape	
Ov. Jacket	Ov. Dia. (mm)	6.5φ(0.256")	
	Material	Flexible PVC	
	Colour	Black	
Roll Size		100 m (328Ft)	
Weight per 100m Roll		6.3kg	

### ELECTRICAL & MECHANICAL CHARACTERISTICS

Part No.		3172	
DC Resistance at 20°C	Inner Conductor.	MIC SIGNAL	0.13Ω/m (0.040Ω/Ft)
		BIAS CIRCUIT	0.23Ω/m (0.070Ω/Ft)
	Shield	HEATER CIRCUIT	0.046Ω/m (0.014Ω/Ft)
Capacitance at 1kHz, 20°C	Shield-Conductor	230pF/m(70pF/Ft) 100pF/m(30pF/Ft) 93pF/m(28pF/Ft)	
	between neighbour conductors	"TWISTED PAIR" 56pF/m(17pF/Ft)	46pF/m(14pF/Ft) 137pF/m(42pF/Ft)
Inductance		"TWISTED PAIR" 0.4μH/m (0.12μH/Ft)	
Electrostatic Noise *		"TWISTED PAIR" 1 mV Max.	
Electromagnetic Noise at 10kHz *		"TWISTED PAIR" 0.1mV Max.	
Microphonics *		"TWISTED PAIR" 10 mV Max.	
Voltage Breakdown		Must withstand at DC 500V/15sec.	
Insulation Resistance		10 <sup>5</sup> MΩ · m Min. at DC 500V, 20°C	
Flex Life *		13,000 cycles	
Tensile Strength		588 N	
Emigration		Non-Emigrant to ABS resin	
Applicable Temperature		-20°C~+70°C (-4°F~+158°F)	

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