

GUITAR CABLES

GUITAR CABLES/HIGH IMPEDANCE TRANSMISSION CABLES

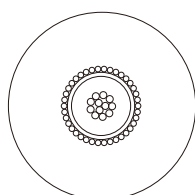


Part No.2319

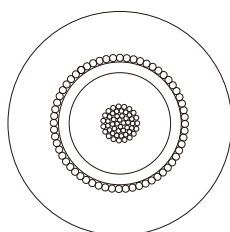


Part No.2524

Most musical instrument sound pick-ups such as those in electric guitars are comprised of high impedance circuits driven by voltage, in other words by very small electrical current flow. Therefore, so-called MICROPHONICS (noise) becomes a critical problem. (Microphonics means noise that is generated when the cable is moved and or tapped when the cabling circuit is a high impedance link.) Guitar cables must be counter-measured against this, so, a conductive PVC layer is placed under the shield conductor in most cases even though it may have a bad affect on audio sound quality. Therefore, the conductive PVC (black carbon PVC) layer must be removed together with the shielding conductor when wiring, otherwise we receive a strange claim that the cable is shorting.



2319



2524

SPECIFICATIONS

Part No.	2319		2524	
Conductor	Details	12/0.18TA	50/0.12OFC	
	Size(mm ²)	0.305mm ² (#23AWG)	0.565mm ² (#20AWG)	
Insulation	Ov. Dia. (mm)	1.6φ(0.063")	2.7φ(0.106")	
	Material	PE		
	Color	Clear		
Sub-Shield	Ov. Dia. (mm)	1.8φ(0.071")	3.4φ(0.134")	
	Material	Conductive PVC (Carbon PVC)		
	Color	Black		
Main-Shield	Served-Shield	Approx.36/0.16TA	Approx.57/0.18OFC	
Jacket	Ov. Dia. (mm)	5.0φ(0.197")	6.0φ(0.236")	
	Material	PVC		
	Color	Black		
Roll Sizes		100 m (328Ft) / 200m (656Ft)		
Weight per 100 (328 Ft) m roll		3.5Kg	5.1Kg	

ELECTRICAL & MECHANICAL CHARACTERISTICS

Part No.	2319		2524	
DC Resistance at 20°C	Inner Conductor	0.064Ω/m(0.020Ω/Ft)	0.033Ω/m(0.010Ω/Ft)	
	Shield Conductor	0.027Ω/m(0.0082Ω/Ft)	0.013Ω/m(0.0040Ω/Ft)	
Capacitance at 1kHz, 20°C		155pF/m(47.3 pF/Ft)	130pF/m(39.7 pF/Ft)	
Inductance		0.16μH/m(0.049μH/Ft)	0.2μH/m(0.061μH/Ft)	
Electrostatic Noise*		LOD (Limit of Detection)		
Electromagnetic Noise At 10kHz*		LOD (Limit of Detection)		
Microphonics*		0.3mV Max	0.3mV Max	
Voltage Breakdown		Must withstand at DC 500V/15sec.		
Insulation Resistance		10 ⁵ MΩ · m Min. at DC 500V , 20°C		
Flex Life*		11,000 cycles	15,000 cycles	
Tensile Strength (26°C,65%RH)		303 N	578 N	
Emigration		Non-Emigrant to ABS resin		
Applicable Temperature		-20°C~ +60°C (-4°F~ +140°F)		

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