GUITAR CABLES

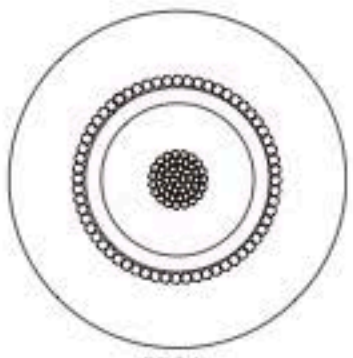
GUITAR CABLES/HIGH IMPEDANCE TRANSMISSION CABLES

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	
	Colour	Clear	
Sub-Shield	Ov. Dia. (mm)	1.8ϕ(0.071")	3.4ϕ(0.134")
	Material	Conductive PVC (Carbon PVC)	
	Colour	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	
	Colour	Black	
Roll Sizes		100 m (328Ft)	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		0.3μH/m(0.092μH/Ft)	0.2μH/m(0.061μH/Ft)
Electrostatic Noize*		0.13mV Max.	0.15mV Max.
Electromagnetic Noise At 10kHz*		0.07mV Max.	0.07mV Max.
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.