

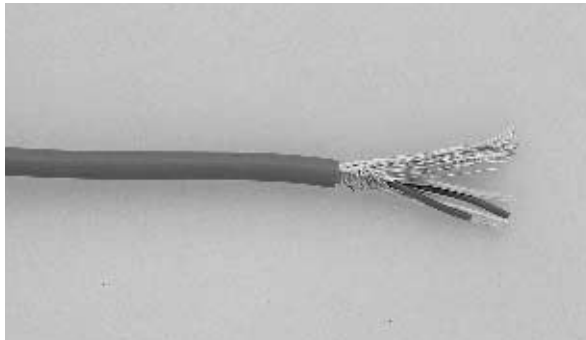
# MICROPHONE CABLES

## NEGLEX QUAD MIC. CABLES

NEGLEX type Quad Cables have been developed for the highest quality recording applications where maximum definition of recorded sound is of critical importance. Special proprietary materials & construction methods make those state-of-the-art mic. cables a must for direct to DISC and digital recording. Basic matters of flexibility, microphonics and shielding effect have been designed to meet international professional requirements. A Balanced quad structure is effective for high definition sound transmission as well as in canceling electromagnetic induction caused by nearby equipment such as floodlight projection, and therefore is well adapted to motion picture and TV studios.

- Conductor insulation is XLPE (Cross-Linked Polyethylene) which has excellent electrical characteristics and prevents shrink-back during soldering.
- Served (spiral) Bare Copper Shield is better for sound quality and simplifies termination.

Part No.2534



**Part No.2534**

**Reference Standard NEGLEX Quad High Definition Mic. Cable**

NEGLEX No.2534 has become popular around the world as the standard for high quality digital and analog recording. The cable has also become popular for use with unbalanced equipment, such as high quality pre-amp, amp inputs and tape decks.

Part No.2893



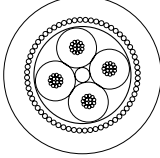
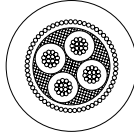
**Part No.2893**

**Miniature Quad Superflexible Mic. Cable**

Originally designed for BANTAM patch-cords, this cable has become popular where a small diameter Quad mic cable is required.

## NEGLEX QUAD MIC. CABLES

### SPECIFICATIONS

Configuration			
Part No.		2534	2893
No. of Conductor		4	
Conductor	Details	20/0.12 OFC	30/0.08 OFC
	Size(mm <sup>2</sup> )	0.226mm <sup>2</sup> (#24AWG)	0.15mm <sup>2</sup> (#26AWG)
Insulation	Ov. Dia. (mm)	1.6 ϕ (0.063")	1.0 ϕ (0.039")
	Material	XLPE( Cross-Linked Polyethylene )	
	Colours	Blue/Clear(Quad)	Black/Red/Blue/Clear
Served Shield		Approx. 64/0.18A	Approx. 73/0.12A
Jacket	Ov. Dia. (mm)	6.0 ϕ (0.236")	4.8 ϕ (0.189")
	Material	Flexible PVC	Flexible PVC
	Colours	10 colours available	5 colours available
Roll Sizes		50 m (164Ft) 100m (328Ft) 200m (656Ft)	50 m (164Ft) 100m (328Ft) 200m (656Ft)
Weight per 200m Roll		11 kg	7.5kg

### ELECTRICAL & MECHANICAL CHARACTERISTICS

Part No.		2534	2893
DC Resistance at 20°C	Inner Cond.	0.083Ω/m(0.025Ω/Ft)	0.13Ω/m(0.040Ω/Ft)
	Shield	0.012Ω/m(0.0037Ω/Ft)	0.025Ω/m(0.0076Ω/Ft)
Capacitance at 1kHz, 20°C ( Partial C. Value ) See below figure <sup>*(1)</sup>	K0	65pF/m(20 pF/Ft)	74pF/m(23 pF/Ft)
	K1	13pF/m(4 pF/Ft)	11pF/m(3.4 pF/Ft)
	K2	4pF/m(1.2 pF/Ft)	3pF/m(0.9 pF/Ft)
	Balanced Quad Connection	Cond.-Cond.	97pF/m(29.6 pF/Ft)
	Cond.-Shield.	110pF/m(33.6 pF/Ft)	178pF/m(54 pF/Ft)
Inductance between conductors at 1kHz, 20°C		0.4μH/m (0.12μH/Ft)	0.5μH/m(0.15μH/Ft)
Electrostatic Noise <sup>*(2)</sup>		50 mV Max.	50 mV Max.
Electromagnetic Noise <sup>*(2)</sup>		0.15 mV Max.	0.15 mV Max.
Microphonics at 50kΩ Load <sup>*(2)</sup>		30 mV Max.	30 mV 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>		11,000 cycles	26,000 cycles
Tensile Strength		686 N	500 N
Emigration		Non-Emigrant to ABS	Non-Emigrant to ABS
Applicable Temperature		-20°C~ + 70°C (-4°F~ + 158°F)	

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

<sup>\*(1)</sup> Patial Capacitance

