

# Neglex Quad Microphone Cables

Mogami Neglex quad cable is perfect cable for home studios suffering from wiring and grounding problems. Mogami 2534 should also be used where intense RFI interference is a problem. Mogami 2534 provides an improvement in signal to noise of 10-20db over equivalent twisted pair cables. Double conductors quad cables are more effective in canceling noise that can get past even the best of shields and is critical in an environment of high RF and EM interference.

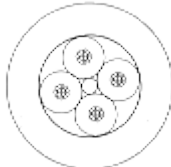
- Conductor insulation is XLPE ( Cross-Linked Polyethylene) which has excellent electrical characteristics and prevents shrink-back during soldering.
- Served (spiral) Bare Copper Shield is superior to foil or braided shields for sound quality and simplifies termination.



## Reference Standard NEGLEX Quad High Definition Microphone Cable

NEGLEX No. W2534 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. **Miniature Quad Superflexible Microphone Cable** Originally designed for BANTAM patch-cords, this cable has become popular where a small diameter Quad mic cable is required.

## SPECIFICATIONS

|                  |                        |  |
|------------------|------------------------|--|
| Configuration    |                        |  |
| Part No.         |                        |  |
| No. of Conductor |                        | 4(Quad)  |
| Driver           | Details                | 20/0.12 OFC  |
|                  | Size(mm <sup>2</sup> ) | 0.226mm <sup>2</sup> (# 24 AWG)  |
| Insulation       | Ov. Dia. (Mm)          | 1.6Ø (0.063 ")   |
|                  | Material               | XLCPE (Cross-Linked Polyethylene)  |
| Served Shield    | Colors                 | Blue / Clear (Quad)  |
|                  |                        | Approx. 64/0.18A   |
| Jacket           | Ov. Dia. (Mm)          | 6.0Ø (0.236 ")   |
|                  | Material               | Flexible PVC   |
|                  | Colors                 | Black  |

## ELECTRICAL & MECHANICAL CHARACTERISTICS

|   |  |                         |
|---|--|-------------------------|
| Part No.  | W2534                                    |                         |
| DC Resistance at 20°C   | Inner Cond.                              | 0.083Ω / m (0.025Ω/Ft)  |
|   | Shield                                   | 0.012Ω / m (0.0037Ω/Ft) |
| Capacitance at 1kHz,<br>20°C<br>(Partial C. Value)<br>See below figure* | K <sub>0</sub>                           | 65pF/m(20pF/Ft)         |
|   | K <sub>1</sub>                           | 13pF/m(4pF/Ft)          |
|   | K <sub>2</sub>                           | 4pF/m(1.2pF/Ft)         |
|   | Balanced Cond.-Cond.                     | 97pF/m(29.6pF/Ft)       |
|   | Quad Cond.-Shield.                       | 110pF/m(33.6pF/Ft)      |
| Inductance between conductors at 1kHz. 20°C                             | 0.4μH / m (0.12μH/Ft)                    |                         |
| Electrostatic Noise**   | 50mV Max.                                |                         |
| Electromagnetic Noise**   | 0.15mV Max.                              |                         |
| Microphonics at 50KΩ/ Load**  | 430 m V Max.                             |                         |
| Voltage Breakdown   | Must withstand at DC 500V/15sec.         |                         |
| Insulation Resistance   | 100000 M Ω / × m Min. to DC 125 V, 20 °C |                         |
| Flex Life**   | 11,000 cycles                            |                         |
| Tensile Strength  | 686N                                     |                         |
| Emigration  | Non-emigrant to ABS                      |                         |
| Applicable Temperature  | -20°C~ +70°C                             |                         |

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

\* Patial Capacitance

