



GENERAL DESCRIPTION:

Specially designed, extra flexible and durable balanced microphone cable to handle both analog or digital audio applications.

The stranded conductors are made of 40x0.08 mm oxygen free copper wires designed to give this cable its extra flexibility and high quality signal transmission. XLPE (Cross-Linked-Polyethylene) insulation prevents shrink-back during soldering. The pair is twisted with cotton fillers to give the cable its compact structure to eliminate handling noise and yet to maintain its flexibility.

The insulations dimension of the pair is design to achieve 110 Ω catachrestic impedance at 1 MHz to fit with the AES/EBU digital audio communication standard. An overall served (spiral) braid made of fine copper wires giving a 100% coverage provides the cable its protective shield from noise caused by electromagnetic interference and simplifies the termination.

The outer jacket made of a special soft-satin PVC compound for extra-flexing. With the stranded conductors and spiral shielding make this cable most suitable for portable and repeated flexing applications.

1. Basic Wires:

- 1.1. Conductor: Stranded, bare, oxygen free-copper, 40x0.08 mm, 24 AWG.
- 1.2. Insulation: XLPE, 1.4 mm nom. OD

2. Core Construction:

- 2.1. Total number of insulated wires: 2
- 2.2. Color code: Blue x White
- 2.3. Fillers: 2 cotton cords
- 2.3. Protection: Overall wrapped with a woven tape for added mechanical strength

3. Overall Shield:

- 3.1. Construction: Served (spiral) wires.
- 3.2. Material: Bare copper
- 3.3. Coverage: 99% nom.

4. Outer Jacket:

- 4.1 Material: Soft, satin finished PVC compound
- 4.2. Color: Standard Black, available in 9 additional colors
- 4.3. O.D: 6.3 mm nom.
- 4.4. Marking: Per request.

5. Electrical Properties

- 5.1. DC Resistance: 105.0 Ω /Km max. @ 20C
- 5.2. Dielectric Strength: 500 volts/20 sec.
- 5.3. Mutual Capacitance: 60 pF/m @ 1 KHz