

# TECHNICAL SPECIFICATIONS SHEET



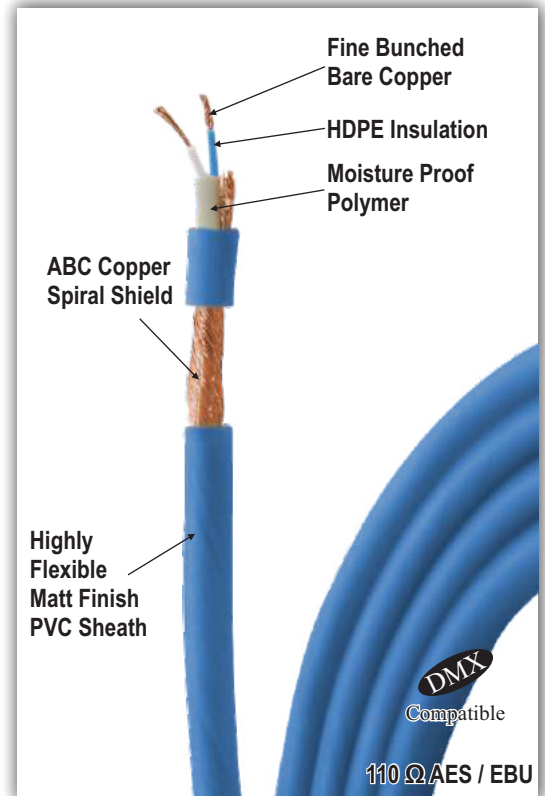
## ULTRA DIGITAL MICROPHONE CABLE

Part No. - MIC-HFS-ULT-DIG

24 AWG (19/0.12mm) x 2 core ABC copper conductor, PE insulated, core twisted in circular form, covered with special moisture proof polymer, spiral shielded (95%) with ABC copper, outer Jacketed with Matt finish High Flex Special PVC.

### General Specifications

|                                 |   |
|---------------------------------|---|
| No of Conductors                | 2   |
| Conductor ( No. / size of wire) | 19/0.12 mm                                    |
| Cross Sectional Area            | 0.22 sqmm (24 AWG)                            |
| Insulation Material             | HDPE  |
| Insulation OD                   | 1.10 mm                                       |
| Insulation Colours              | Blue / White                                  |
| Shield Conductor                | ABC Copper – (0.09mm )110 wires (approx)      |
| Shield Type                     | Serve Shield - also called Helical, or spiral |
| Jacket Material                 | High Flex Matt Finish PVC                     |
| Jacket OD                       | 6.00 mm + - .10mm                             |
| Packaging                       | 90 meter Coil                                 |
| Gross Weight of Coil            | 4.4 Kgs                                       |
| Master Packing                  | 6 Coils in Carton                             |
| Master packing weight           | 27 Kgs  |



### Electrical and Mechanical Characteristics

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| DC resistance @20 °C - Conductor     | 80 Ω / Km                            |
| DC Resistance @ 20 °C - Sheild       | 28 /Ω Km                             |
| Capacitance – Cond / cond            | 22 pF/Feet                           |
| Capacitance – Cond / Shield          | 55 pF/Feet                           |
| Inductance b/w conductors @1kHz 20°C | 0.8 μH/m                             |
| Electrostatic Noise                  | 100mV Max                            |
| Electromagnetic Noise                | 0.15mV Max                           |
| Microphonics @ 50KΩ Load             | 30 mV Max                            |
| Impedance                            | 110 Ω                                |
| Voltage Breakdown                    | Must withstand DC 30V for 15 seconds |
| Operating Voltage                    | 300 V                                |
| Operating Temperature                | -20° C to 70° C                      |
| Dielectric Constant 1k hz            | 2.30                                 |
| Dissipation Factor                   | 0.0002                               |
| Flex Life                            | 12,500 cycles                        |
| Tensile Strength                     | 659 N                                |

### Features

- ♦ Ultra Digital Microphone Cable is our economy range of Microphone Cable for Stage and Touring use.
- ♦ A Reasonable Cross Sectional Area of Annealed Bare Copper conductor (19 wires of 0.12mm) and dense Spiral (Helical) Shielding with Bare Copper Wires (110 wires of 0.09mm) gives a complete Shield achieving a coverage of around 95%.
- ♦ Moisture Proof Polymer bounds the 2 conductors giving a superlative performance of the cable even in extreme usage.

### Advantages

- ♦ Reasonably clear sound due to the use of fine stranding and ABC copper conductor.
- ♦ Spiral Shield Gives complete shielding thereby eliminating any chances of cable noise.
- ♦ High Limpness helps the cable lay flat on the stage.

### Application

- ♦ Stage application
- ♦ Home recording

### Packaging

- ♦ 90 Meters Coil

### Colours Available

