

TECHNICAL SPECIFICATIONS SHEET



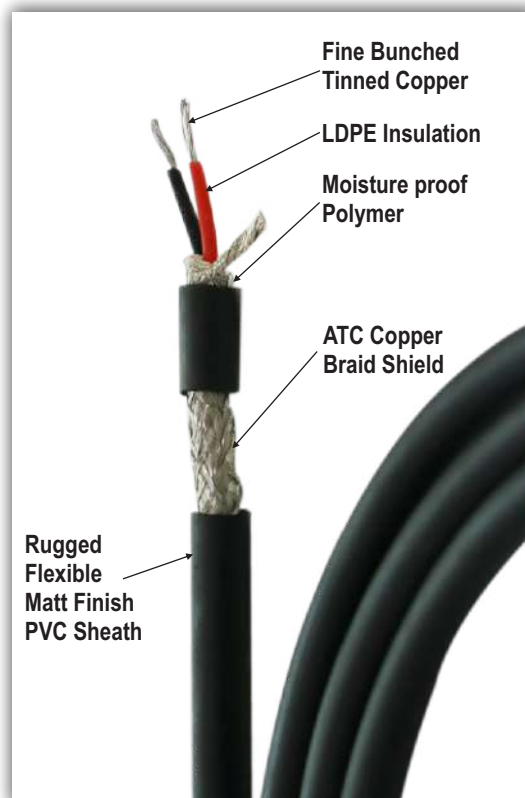
18 AWG INSTALLATION MICROPHONE CABLE

Part No. - MIC-INS-18-ATC

18 AWG (24/0.20mm) x 2 core ATC copper conductor, PE insulated, core twisted in circular form, Inner sheathed with moisture Proof Polymer, braid shielded (80%) with ATC copper, outer Jacketed with Matt finish Rugged Flexible PVC.

General Specifications

No of Conductors	2
Conductor (No. / size of wire)	24/0.20 mm
Cross Sectional Area	0.75 sqmm (18 AWG)
Insulation Material	LDPE
Insulation OD	1.90 mm
Insulation Colours	Red / Black
Shield Conductor	ATC Copper – (0.10mm) 128 wires
Shield Type	Braid Shield - 16 x 8 x 0.10
Jacket Material	Rugged Flexible Matt Finish PVC
Jacket OD	6.80 mm + - .10mm
Packaging	100 meter Coil
Gross Weight of Coil	6.80 Kgs
Master Packing	4 Coils in Carton
Master packing weight	28 Kgs



Electrical and Mechanical Characteristics

DC resistance @20 °C - Conductor	26.2 Ω / Km
DC Resistance @ 20 °C - Sheild	19.9 /Ω Km
Capacitance – Cond / cond	45.4 pF/Feet
Capacitance – Cond / Shield	66.6 pF/Feet
Inductance b/w conductors @1kHz 20°C	0.8 μH/m
Electrostatic Noise	150mV Max
Electromagnetic Noise	0.15mV Max
Microphonics @ 50KΩ Load	30 mV Max
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	9,000 cycles
Tensile Strength	780 N

Features

- ◆ 18 AWG Microphone Cable is our Installation range of Microphone Cable.
- ◆ A very high Cross Sectional Area of Annealed Tinned Copper conductor (24 wires of 0.20mm - 0.75sq mm) and Braid Shielding with Tinned Copper Wires (128 wires of 0.10mm) gives a comprehensive Shield achieving a coverage of around 80%.
- ◆ It gives excellent performance in long runs of conduits in installations of auditoriums, shopping malls, factories etc.

Advantages

- ◆ Reasonably clear sound due to big cross sectional area and ATC copper conductor.
- ◆ Braid Shield Gives complete shielding thereby eliminating any chances of cable noise.
- ◆ Cable Ruggedness & toughness helps the cable to be pulled in long runs of conduits.

Application

- ◆ Installation of Microphone signals in Auditoriums, Schools, Shopping Malls etc.

Packaging

- ◆ 100 Meters Coil
- ◆ 300 Meters Coil

Colours Available

