

# TECHNICAL SPECIFICATIONS SHEET



## 12 AWG X 6 CORE TOUR RANGE STAGE SPEAKER CABLE

Part No. - SPK-HFS-12-6-ATC

Tour Range Stage Speaker Cable – 12 AWG (140/0.16mm) x 6 core cable ATC copper conductor PVC insulated , core twisted, outer jacketed with Matt Finish high flex special PVC Sheath.

### General Specifications

|                                  |  |
|----------------------------------|--|
| No of Conductors                 | 6  |
| Conductor - No/ Size of Wire     | 140/0.16mm                                   |
| Conductor – Cross Sectional Area | 2.80 Sqmm                                    |
| Insulation Type                  | PVC  |
| Insulation Dia.                  | 4.00 mm                                      |
| Core Colours                     | Yellow, Green, Orange, Blue, White, Red      |
| Sheath Type                      | Matt Finish High Flex PVC                    |
| Overall OD                       | 14.2 mm                                      |
| Packaging                        | 100 mtr coils (Heat Shrink Transparent Film) |
| Weight per coil                  | 35.200 Kg.                                   |
| Master Packing                   | 1 Coils in a Jute Packing                    |

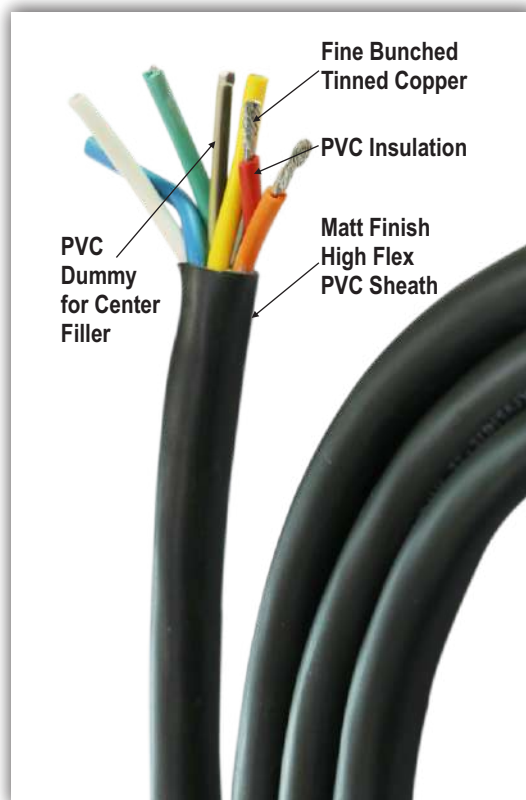
### Electrical and Mechanical Characteristics

|                                  |                                    |
|----------------------------------|------------------------------------|
| DC resistance @20 °C - Conductor | 7.80 Ω / Km                        |
| Operating Voltage                | 600 v                              |
| Inductance – (1kHz at 20 °C)     | 0.7 μH/m                           |
| Capacitance – (1kHz at 20 °C)    | 97pF/m                             |
| Voltage Breakdown                | Must withstand DC 500V / 15 sec    |
| Insulation resistance            | 10000 M x m Min. at DC 125V, 20 °C |
| Operating Temperature            | -20° C to 70° C                    |
| Dielectric Strength              | 2 (KV/1 Min.) DC                   |
| Flex Life                        | 11500 cycles                       |
| Dielectric Constant              | 4.0                                |

### Power Loss Chart

| Cables Selection Chart<br>Length of Cables (Feet) | Speaker Impedance |              |
|---|-------------------|--------------|
|   | 4 Ω Speakers      | 8 Ω Speakers |
| 50 Ft.  | 7 %               | 4 %          |
| 100 Ft.   | 16 %              | 8 %          |
| 150 Ft.   | 20 %              | 11 %         |
| 300 Ft.   | 35 %              | 21 %         |
| 500 Ft.   | 49 %              | 31 %         |
| 1000 Ft.  | 69 %              | 49 %         |

### Colours Available



### Features

- ◆ 12 AWG x 6 core Cable is our High Flex Tour Range of Speaker Cables.
- ◆ These High Flex Tour Range of Speaker Cables are specifically designed to deliver maximum performance for stage applications.
- ◆ They offer true audiophile performance for accurate sound transmission with crystal clear response, Matt Finish PVC ensures that the cables do not reflect light and high flexibility ensures high limpness of cable so that it does not entangle in the artist's feet.

### Advantages

- ◆ Each conductor is dipped in a tinned bath to make the ATC conductors and are bunched tightly to give best performance.
- ◆ Twisted cores help in rejecting crosstalk.
- ◆ High Flex life of tour range of speaker cables enables repeated use tour after tour.

### Application

- ◆ Connecting Speakers on critical areas of the stage & incrowd areas.

### Packaging

- ◆ 100 Meters Coil