

SPEAKER NOODLES

10 AWG Single Conductor



General Description:

Speaker Noodles is a unique wiring solution for speaker cabinet drive amplifiers exclusive to Gibson Engineering & Computers, Inc. This high strand count tinned copper flexible connecting wire is capable of satisfying the high current low loss demands of the audio industry. Speaker Noodles are built to the same specifications as wire used by the aircraft and instrumentation industries. With a two million flexures rating, this wire product is constructed using a silicone-based mono-jacket to further improve the flexible nature of this larger gauge wire across a broad temperature spectrum. The other benefits of this silicone insulation medium are high temperature resistance, resistance to color fading, low interaction with other adjacent materials, a halogen free material, and high voltage integrity

General Purposes:

Developed to provide a highly flexible wire capable of satisfying the high current low loss demands of the audio industry. This product is primarily intended for the use of transporting low voltage high energy level signals such as those found in the audio and automation industries.

The high flexibility aspect of this product is an improvement that allows for easier installation and manageability of heavier gauge wire. As a result, this wire's flexibility is far greater than commonly used lower strand count wire with the standard Polyvinyl-Chloride jacket compositions.

The halogen free nature of this wire jacket allows for use of the product in those applications where halides may be restricted.

Other potential uses for this wire product are in heavy current high heat environments such as low voltage motor connections or applications where high current, high heat, and high flexibility electrical conductors are required.

Specifications:

Available Wire Size: 10 AWG

High Strand Count Tinned Copper Core

Silicone Mono-Coating

Operating Temperature: Normal Service Conditions -40 to 150° C (-40 to 300°F)

Humidity: 0 to 90% Non-Condensing

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Physical Characteristics:

Conductor:

Tin Coated Copper
10 AWG 7X59/36 413 Strand Rope Twist
2 Million Flexure

Color:

CO-206-00067-00 Natural Standard (No Pigment)
CO-206-00068-00 Tan
Other Colors Available Through Special Order

Insulation:

Mono Coating Silicone
Thickness Average 0.031" (0.790 mm)
Density 50D "A" Shore

Dimensions:

Diameter Average:
0.190" inches (4.83mm)

Weight:

0.7 oz. Per Foot (65.06 grams Per Meter)

Electrical Characteristics:

Resistance:

0.000980 ohms Per Foot

Coating Breakdown Voltage by Composition:

1200VDC Typical (Un-Rated)
Operational 300VDC (Un-Listed)

*Environmental Characteristics:

Chemical Resistant, Oil Resistant, Water Splash Resistant

Halogen Free Materials

Corrosion Resistant Tin Coated Pure Copper Core

Temperature Range:

Normal Service Conditions -40 to 150° C (-40 to 300°F)

RoHS (2002/95/EC) Compliant materials

Options:

Custom Color

Multi-Conductor Configuration

Safety Agency Rating Imprint

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Available From:

Product manufactured in U.S.A.

Revised 5/17/2012

* Test Results May Vary With Specific Applications.