

## ARTICFLEX CABLE - TECHNICAL SPECIFICATIONS

### CONDUCTORS:

High-grade, ASTM B3-74 (Class K) soft-annealed bare copper, at least 10% more copper content than specified by SAE J1128.

Low Tension Primary Cable high strand count for greater flexibility and reduced flex-fatigue....

8 awg.... 133 strands

10 awg.... 105 strands

12 awg.... 65 strands

14 awg.... 41 strands

### INSULATION:

Specially formulated polymer is up to 5 times more abrasion resistant than other commonly used insulation materials.

Low temperature flexibility to -85°F (-65°C) tensile and elongation properties meet or exceed those specified by SAE J1128 (GPT & SXL).

Colour-coded and sequenced to match SAE J560 connector circuitry.

Easily strippable from copper conductors.

### CABLE JACKET

Highly flexible PVC compound, specially formulated to provide flexibility to -85°F (-65°C).

Up to 3 times more abrasion resistant than other commonly used jacketing materials resistant to commonly used fuels, oils, lubricants, road salt and cleaning chemicals.

Resistant to ultraviolet rays.

Easily strippable from insulated conductors.

### ELECTRICAL TESTING:

Cable is tested to a minimum of 1000 volts without failure. Articflex is not approved by Tectran for more than 48 volt application. This testing provides a 20 times safety margin.

### PACKAGING:

Tectran Articflex cable is available in 100 ft. continuous lengths in cardboard boxes and in 500' continuous lengths on disposable plywood reels.

### CONSTRUCTIONS:

#### Part No. 742208A... (4/12 - 2/10 - 1/8) ...ABS...SAE J 2394

This ABS Heavy Duty construction is recommended for use on tractors and trailers intended for use in double and triple configurations or for where additional lighting or power-consuming devices, beyond basic lighting, are anticipated.

- 8 ga. WHT and 12 ga. BLK & YEL, 10 ga. RED, 12 ga. GRN & BRN in sequence around a 10 ga. BLU conductor.
- Green jacket. (ISO Yellow jacket)
- Maximum diameter.... 0.646"

Available from Tectran's U.S. Stock Locations in:

Buffalo NY (Ph/Fax: 800.776.5549 / 716.894.9623)

Winnsboro TX (Ph/Fax: 800.776.5549 / 716.894.9623)

Sacramento CA (Ph/Fax: 916.983.1923 / 916.858.1480)

[www.tectran.com](http://www.tectran.com)



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- Green jacket. (ISO Yellow jacket)
- Maximum diameter.... 0.646"

#### **Part No. 76210A... (6/12 - 1 /10)**

This Standard Duty construction is recommended as the minimum construction for providing the appropriate voltage level to single trailers with proper basic lighting. Not for ABS installations.

- 10 ga. WHT and 12 ga. BLK, YEL, RED, GRN & BRN in sequence around a 12 ga. BLU conductor.
- Black jacket.
- Maximum diameter.... 0.594"

#### **Part No. 75422A... (5/14 - 2/12)**

This is a Medium Duty cable, designed to provide users of 7/14 or 6/14-1/12 cables with an economical construction, without sacrificing the appropriate voltage level for single trailer configurations on the heavily loaded, red, stoplight circuit. The ground wire is also properly sized.

- 12 ga. WHT and 14 ga. BLK & YEL, 12 ga. RED, 14 ga. GRN & BRN in sequence around a 14 ga. BLU conductor.
- Black jacket.
- Maximum diameter.... 0.568"

#### **Part No. 76412A... (6/14 - 1/12)**

This is a Light Duty cable, available to purchasers who are satisfied with the power supply of 14 ga. wiring, and 12ga. ground wire. Tectran uses the same materials and higher than average copper content in this construction as in the other constructions.

- 12 ga. WHT and 14 ga. BLK, YEL, RED, GRN & BRN in sequence around a 14 ga. BLU conductor.
- Black jacket.
- Maximum diameter.... 0.566"

#### **Part No 764A... (6/14)**

This cable is 6/14 construction, without the center BLU Auxilliary wire.

- 14 ga. WHT, BLK, YEL, RED, GRN & BRN conductors.
- Black jacket.
- Maximum diameter.... 0.564"

#### **Part No. 766A... (6/16)**

This 6/16 cable is identical to the 6/14 cable, but uses lighter duty 16 gauge conductors for low current requirements.

- 16 ga. WHT, BLK, YEL, RED, GRN & BRN conductors.
- Black jacket.
- Maximum diameter.... 0.456"

#### **Part No. 744A... (4/14)**

The 4/14 cable consists of ...

- 14 ga. WHT, RED, GRN & BRN conductors.
- Black jacket.
- Maximum diameter.... 0.444"

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