

# UL Types MTW, TFF, AWM & CSA TEW

90°C 600 Volt MTW, TFF 105°C 600 Volt AWM/TEW

## Product Construction:

### Conductor:

- 18 through 8 AWG fully annealed stranded bare copper per ASTM B-8

### Insulation:

- Premium-grade, color-coded PVC
- Temperature range:  
MTW: -40°C to +90°C  
TEW/AWM: -20°C to +105°C
- Color code: See chart below

### Jacket Marking:

- 18 and 16 AWG:  
CAROL (SIZE) 600V E# MTW (UL) OR  
TFF OR AWM VW-1 --- CSA TEW 105°C  
FT-1
- 14 through 8 AWG:  
CAROL (SIZE) 600V E# MTW (UL) OR  
AWM VW-1 --- CSA TEW 105°C FT-1

## Applications:

- Motor and transformer lead
- External wiring of machinery
- Internal wiring of electrical and electronic equipment
- Internal wiring of panels and meters
- Point-to-point wiring

## Features:

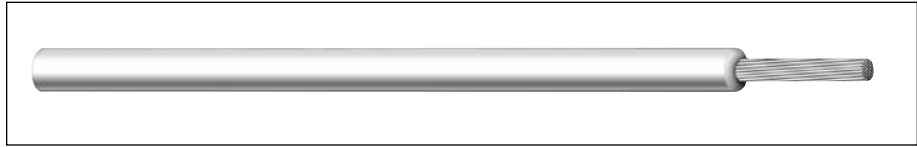
- Outstanding oil, flame and moisture resistance
- Extra flexible

## Compliances:

- UL and NMTBA Type MTW/AWM
- CSA TEW
- RoHS Compliant Directive 2002/95/EC
- Passes VW-1 Vertical Flame Test
- AWM Style 1015 – 18-8 AWG
- AWM Style 1335 – 18-10 AWG
- AWM Style 1336 – 8 AWG

## Packaging:

- Please contact Customer Service for packaging and color options



| CATALOG NUMBER                                      | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |      | NOMINAL O.D. |      | STOCK COLORS | APPROX. NET WEIGHT LBS/M <sup>(9)</sup> |
|---|----------|--------------|---------------------------|------|--------------|------|--------------|---|
|   |          |              | INCHES                    | mm   | INCHES       | mm   |              |   |
| <b>UL TYPE MTW, AWM, TFF, CSA TYPE TEW-600 VOLT</b> |          |              |                           |      |              |      |              |   |
| <b>76502</b>  | 18       | 16/30        | 0.032                     | 0.81 | 0.110        | 2.79 | 1-12         | 10                                      |
| <b>76512</b>  | 16       | 26/30        | 0.032                     | 0.81 | 0.123        | 3.12 | 1-12         | 14                                      |
| <b>76812</b>  | 14       | 19/.0159     | 0.032                     | 0.81 | 0.136        | 3.40 | 1-12         | 20                                      |
| <b>76822</b>  | 12       | 19/.0185     | 0.032                     | 0.81 | 0.155        | 3.91 | 1-7          | 28                                      |
| <b>76832</b>  | 10       | 19/.0234     | 0.032                     | 0.81 | 0.179        | 4.55 | 1-5          | 42                                      |
| <b>76843</b>  | 8        | 19/.0295     | 0.047                     | 1.19 | 0.242        | 6.15 | 1-5          | 72                                      |

<sup>(9)</sup>Actual shipping weight may vary.

## Color Code Chart

| ORDERING SUFFIX | COLORS | ORDERING SUFFIX | COLORS |
|-----------------|--------|-----------------|--------|
| <b>01</b>       | Black  | <b>04</b>       | Orange |
| <b>02</b>       | White  | <b>08</b>       | Brown  |
| <b>03</b>       | Red    | <b>19</b>       | Purple |
| <b>07</b>       | Blue   | <b>10</b>       | Gray   |
| <b>06</b>       | Green  | <b>13</b>       | Pink   |