

# Hook-Up Wire UL Types MTW, TFF, AWM and 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

## Features:

- Outstanding oil, flame and moisture resistance
- Extra-flexible

## Industry Approvals:

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

## Packaging:

- 18 and 16 AWG:  
500' (152.4 m) spools  
2500' (762 m) spools
- 14 through 10 AWG:  
500' (152.4 m) spools  
2500' (762 m) reels
- 8 AWG: 500' (152.4 m) reels
- Other put-ups available on special order



UL TYPE MTW, AWM, TFF, CSA TYPE TEW - 600 VOLT

| CATALOG NUMBER | AWG SIZE | COND. STRAND | NOMINAL INS. THICKNESS |      | NOMINAL O.D. |      | STOCK COLORS | APPROX. NET WT. LBS/M <sup>(1)</sup> |
|----------------|----------|--------------|------------------------|------|--------------|------|--------------|--------------------------------------|
|                |          |              | INCHES                 | mm   | INCHES       | mm   |              |                                      |
| 76502          | 18       | 16/30        | 0.031                  | 0.79 | 0.110        | 2.79 | 1-12         | 10                                   |
| 76512          | 16       | 26/30        | 0.031                  | 0.79 | 0.123        | 3.12 | 1-12         | 14                                   |
| 76812          | 14       | 19/.0147     | 0.031                  | 0.79 | 0.136        | 3.45 | 1-12         | 20                                   |
| 76822          | 12       | 19/.0185     | 0.031                  | 0.79 | 0.155        | 3.94 | 1-7          | 28                                   |
| 76832          | 10       | 19/.0234     | 0.031                  | 0.79 | 0.176        | 4.47 | 1-5          | 42                                   |
| 76843          | 8        | 19/.0295     | 0.045                  | 1.14 | 0.242        | 6.15 | 1-5          | 72                                   |

<sup>(1)</sup> Actual shipping weight may vary.

## COLOR CODE CHART

| STOCK COLORS | ORDERING SUFFIX | STOCK COLORS | ORDERING SUFFIX |
|--------------|-----------------|--------------|-----------------|
| Black        | 01              | Orange       | 04              |
| White        | 02              | Brown        | 08              |
| Red          | 03              | Purple       | 19              |
| Blue         | 07              | Gray         | 10              |
| Green        | 06              | Pink         | 13              |
| Yellow       | 05              |              |                 |