

# UL Types MTW, TFF, AWM & CSA TEW

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

**Product Construction:**

**Conductor:**

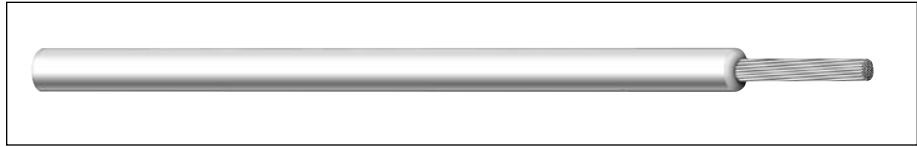
- 18 through 8 AWG fully annealed stranded bare copper per ASTM B-8

**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



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		

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

<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.

**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

**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