

# UL 1015, CSA TEW

**Product Construction:**

**Conductor:**

- 24 thru 10 AWG
- Fully annealed tinned copper per ASTM B33
- Solid or stranded

**Insulation:**

- Premium-grade, color-coded PVC
- Temperature range: -30°C to +105°C
- Color code: See chart below

**Applications:**

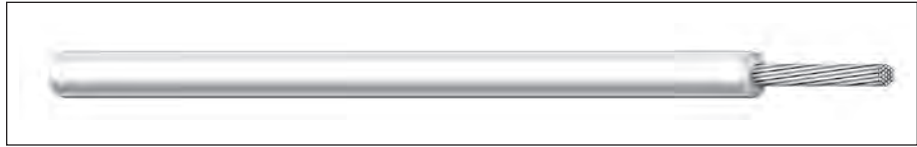
- Internal wiring of electrical and electronic equipment
- Internal wiring of panels and meters
- Point-to-point wiring
- Suggested voltage rating: 600 volts

**Compliances:**

- UL Style 1015 (UL: 105°C, 600 V)
- CSA Type TEW: 105°C, 600 V
- RoHS Compliant Directive 2011/65/EU
- Designed to meet UL VW-1 Vertical Wire Flame Test

**Packaging:**

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.	
			in	mm	in	mm

**SOLID CONDUCTORS**

<b>C2117A</b>	22	Solid	0.032	0.81	0.089	2.26
<b>C2118A</b>	20	Solid	0.032	0.81	0.096	2.44
<b>C2119A</b>	18	Solid	0.032	0.81	0.104	2.64

**STRANDED CONDUCTORS**

<b>C2100A</b>	24	7/32	0.032	0.81	0.088	2.24
<b>C2101A</b>	22	7/30	0.032	0.81	0.094	2.39
<b>C2102A</b>	20	10/30	0.032	0.81	0.102	2.59
<b>C2103A</b>	18	16/30	0.032	0.81	0.112	2.84
<b>C2104A</b>	16	26/30	0.032	0.81	0.124	3.15
<b>C2105A</b>	14	41/30	0.032	0.81	0.141	3.58
<b>C2106A</b>	12	65/30	0.032	0.81	0.160	4.06
<b>C2107A</b>	10	105/30	0.033	0.84	0.184	4.67

Data subject to change.

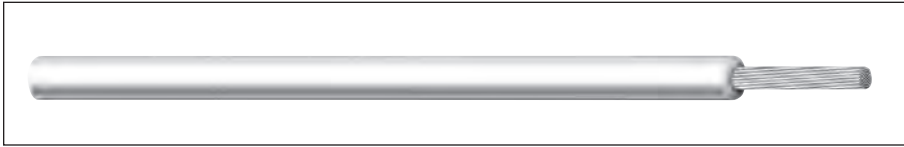
**Color Code Chart**

ORDERING SUFFIX	COLORS	ORDERING SUFFIX	COLORS
<b>01</b>	Black	<b>06</b>	Green
<b>02</b>	White	<b>07</b>	Blue
<b>03</b>	Red	<b>08</b>	Brown
<b>04</b>	Orange	<b>10</b>	Gray
<b>05</b>	Yellow	<b>19</b>	Purple

Striped combinations available upon request; consult Customer Service.

# UL Types MTW, TFF, AWM & CSA TEW

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



CATALOG NUMBER	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOMINAL O.D.		STOCK COLORS	APPROX. NET WEIGHT LBS/M <sup>(S)</sup>
			in	mm	in	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>(S)</sup> Actual shipping weight may vary.  
Data subject to change.

### 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

### Product Construction:

#### Conductor:

- 18 through 8 AWG fully annealed stranded bare copper per ASTM B8

#### Insulation:

- Premium-grade, color-coded PVC
- Temperature range:  
MTW: -40°C to +90°C  
AWM: -40°C to +105°C  
TEW: -30°C to +105°C
- Color code: See chart below

#### Jacket Marking:

- 18 and 16 AWG:  
CAROL (SIZE) 600 V E# MTW (UL) OR TFF OR 1000 V AWM VW-1 --- CSA TEW 105°C FT1 ROHS MADE IN USA
- 14 through 8 AWG:  
CAROL (SIZE) 600 V E# MTW (UL) OR 1000 V AWM VW-1 --- CSA TEW 105°C FT1 ROHS MADE IN USA

### 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 2011/65/EU
- Passes VW-1 Vertical Flame Test
- AWM Style 1015 – 18-8 AWG
- AWM Style 1335 – 18-10 AWG
- AWM Style 1336 – 8 AWG
- UL 1032 1000 V

### Packaging:

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