

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

90°C, 600 Volt, MTW, TFF, 105°C, 1000 Volt, AWM, 600 Volt TEW

Copper U.S. Market

## Product Construction:

### Conductor:

- 18 through 8 AWG fully annealed stranded bare copper

### 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:

- **For 18 and 16 AWG:**  
CAROL AWG (MM<sup>2</sup>) 600 V E135243-8 MTW (UL) OR TFF OR AWM 1015/1032/1335 VW-1 -- CSA TEW 105°C FT1 ROHS (YEAR)
- **For 14 thru 8 AWG:**  
CAROL AWG (MM<sup>2</sup>) 600 V E135243-8 MTW (UL) OR AWM 1015/1032/1335 VW-1 -- CSA TEW 105°C FT1 ROHS (YEAR)

### Applications:

- Motor and transformer lead
- External wiring of machinery

### Features:

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

### Industry Approvals:

- UL 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
- AWM Style 1032
- 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.		APPROX. NET WT. LBS/M <sup>(S)</sup>
			INCHES	mm	INCHES	mm	
76502	18	16/30	0.031	0.79	0.110	2.79	10
76512	16	26/30	0.031	0.79	0.123	3.12	14
76812	14	19/.0147	0.031	0.79	0.136	3.45	20
76822	12	19/.0185	0.031	0.79	0.155	3.94	28
76832	10	19/.0234	0.031	0.79	0.176	4.47	42
76843	8	19/.0295	0.045	1.14	0.242	6.15	72

<sup>(S)</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		