

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

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



## 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>(5)</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>(5)</sup>Actual shipping weight may vary.

### 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  
TEW/AWM: -20°C to +105°C
- Color code: See chart below

#### Jacket Marking:

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

### 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

### 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		



Passes UL VW-1 Flame Test  
Underwriters Laboratories, Inc.

