

# 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 105C FT-1
- 14 through 8 AWG:  
CAROL (SIZE) 600V E# MTW (UL) OR AWM VW-1 --- CSA TEW 105C FT-1

**Applications:**

- Motor and transformer lead
- External wiring of machinery

**Features:**

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

**Industry Approvals:**

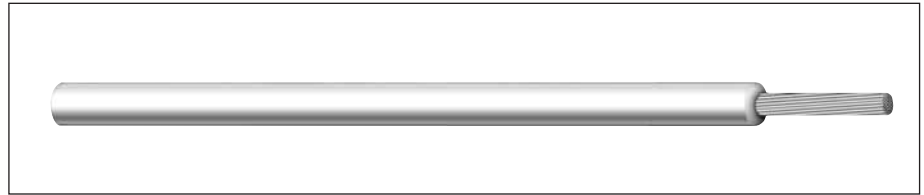
- UL and NMTBA Type MTW/AWM
- CSA TEW
- Passes VW-1 Vertical Flame Test
- OSHA Acceptable
- AWM Style 1015 – 18-8 AWG
- AWM Style 1335 – 18-10 AWG
- AWM Style 1336 – 8 AWG

**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	Light Blue	77



UL TYPE MTW, AWM, TFF, CSA TYPE TEW – 600 VOLT									
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			
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/.0159	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	0.179	4.55	1-5	42	
76843	8	19/.0295	0.045	0.79	0.242	6.15	1-5	72	

<sup>(9)</sup> Actual shipping weight may vary.



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

