

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 ⁽⁵⁾
			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

⁽⁵⁾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.



Heavy Wall UL Types MTW, AWM and NEC Type THW

90°C, 600 Volt

Product Construction:


Conductor:

- 6 and 4 AWG fully annealed stranded bare copper

Insulation:

- Premium-grade, color-coded PVC, black
- Temperature range: -40°C to +90°C

Jacket Marking:

- CAROL A (AWG SIZE) 600 V E# MTW OR THW (UL) ---  AWM

Applications:

- Motor and transformer lead
- External wiring of machinery

Features:

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

Industry Approvals:

- UL Type AWM
- UL and NMTBA Type MTW
- NEC Type THW
- Passes UL VW-1 Vertical Flame Test
- RoHS Compliant

Packaging:

- 500' (152.4 m) reels
- Other put-ups available on special order



AWM, MTW, THW - 600 VOLT - UL

CATALOG NUMBER	AWG SIZE	COND. STRAND	NOMINAL INS. THICKNESS		NOMINAL O.D.		APPROX. NET WT. LBS/M ^(S)
			INCHES	mm	INCHES	mm	
76954	6	19/.0372	0.064	1.63	0.315	8.00	110
76994	4	19/.0469	0.065	1.65	0.365	9.27	150

^(S) Actual shipping weight may vary.