



## Engineering Specifications:

### Standards:

UL Standard 1063, UL Standard 758  
Appliance Wire CSA Standard as TEW



### Construction:

#### Conductors:

Bare, annealed copper per ASTM-B3, B174, and B787

#### Insulation:

Color-coded Polyvinyl Chloride (PVC), heat- and moisture-resistant, flame-retardant compound per UL-1063

#### Applications:

Type MTW or TEW conductors are primarily used in control cabinets, in machine tool applications, and in appliance wiring applications at temperatures -25°C to 105°C. For use in accordance with the National Electrical Code (NEC) and NFPA Standard 79. Voltage rating for all applications is 600 volts.

Size (AWG)	Number of Strands	Insulation Thickness PVC (inches)	Outside Diameter		Allowable Ampacities*			Approx. Net Weight (lbs./1000 ft.)	Standard Packaging
			(inches)	(mm)	60°C	75°C	90°C		
18	16	.030	.110	2.79	6	6	6	8	2000' carton (4x500), 2500' reels
16	26	.030	.123	3.12	8	8	8	11	2000' carton (4x500), 2500' reels
14	19	.030	.132	3.35	15	15	15	18	2000' carton (4x500), 2500' reels
12	19	.030	.151	3.84	20	20	20	25	1000' carton (2x500), 2500' reels
10	19	.030	.205	5.21	30	30	30	40	500' spools, 2500' reels
8	19	.045	.234	5.94	40	50	55	67	500' 1000' 2500' 5000' reels
6	19	.060	.300	7.62	55	65	75	100	500' 1000' 2500' 5000' reels
4	19	.060	.348	8.84	70	85	95	150	500' 1000' 2500' 5000' reels
3	19	.060	.374	9.50	85	100	110	212	500' 1000' 2500' 5000' reels
2	19	.060	.404	10.26	95	115	130	230	500' 1000' 2500' 5000' reels

\*Allowable ampacity shown above is per the National Electrical Code. The above data is approximate and subject to normal manufacturing tolerances.

**PRINT LEGEND:**

CONDUCTOR SIZES 18 AWG THROUGH 2 AWG STRANDED:  
E156879 (SIZE) AWG TYPE MTW 600 VOLTS OIL RESISTANT I VW-1 (UL) OR AWM OR C(UL) TYPE TEW FT1