

# MTW, AWM, TEW

## Thermoplastic Insulated, Moisture & Oil Resistant 600 Volt Copper

### DESCRIPTION:

Alan Wire Type MTW/AWM/TEW is primarily used as wiring in machine tools, appliances, and in various building applications as specified by the National Electrical Code. MTW/AWM/TEW conductors are stranded, soft-annealed copper. The conductors are then insulated with a tough polyvinyl chloride (PVC), making the wire heat, moisture, and oil-resistant.

### STANDARDS AND SPECIFICATIONS:

- VW-1 rated
- TEW is CSA rated & FT1 rated
- 600 Volts
- #18 - #10 Style 1032 for 1,000V rating
- UL 758, 1063
- Style No. 1344 (8 AWG)
- Style NO. 1232 & 1346 (6-2 AWG)
- #18 - #10 class K flexible stranding
- RoHS and REACH Compliant
- ARRA 2009 Section 1605  
"Buy American" Compliant

Conductor		Insulation Thickness (Mils)	Nom. OD (Inches)	Approx Net WT./MFT
Size (AWG)	Stranding			
18	16	.030	0.113	11
16	26	.030	0.125	14
14	41	.030	0.139	20
12	65	.030	0.158	28
10	105	.030	0.182	43
8	19	.045	0.246	74
6	19	.060	0.315	114
4	19	.060	0.365	167
2	19	.060	0.430	252

Wire Type	Dry	Oil	Wet
MTW	90°C	60°C	60°C
AWM	105°C	60°C	75°C
TEW	105°C	60°C	



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