

# Machine Tool Wire

MTW



## Overview

Annealed, bare copper conductor with a Polyvinyl Chloride (PVC) jacket. Commonly used in control cabinets, machine tool applications, fixture wire, and appliance wire applications.

## Approvals

UL: 

- Standard 1063, subject 758
- VW-1 flame test
- Style 1015

CSA: 

- 22.2 No. 210

RoHS: 

- Compliant

## Technical Data

Installation material: Polyvinyl chloride (PVC)

Temperature rating: -40°C to +105°C

Nominal voltage: 600V RMS max  
1,000V AWM style 1032

DC resistance per conductor @ 20°C: 1.59 ohms/ 1M' nominal

Ampacity per NFPA 79 table 12.5.1: 29 amps max

Color code:

00 - Clear	06 - Brown	12 - Tan
01 - Black	07 - Blue	13 - Light Blue
02 - White	08 - Orange	14 - Beige
03 - Red	09 - Gray	15 - Maroon
04 - Green	10 - Purple	16 - Silver
05 - Yellow	11 - Pink	17 - Natural

18 AWG (16/30) 1.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-18G-XX	0.108	2.7	9	See color code
16 AWG (26/30) 1.50mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-16G-XX	0.120	3.0	13	See color code
14 AWG (41/30) 2.50mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-14G-XX	0.136	3.4	19	See color code
12 AWG (65/30) 4.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-12G-XX	0.155	3.9	27	See color code
10 AWG (105/30) 6.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-10G-XX	0.180	4.6	41	See color code
8 AWG (168/30) 10.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-8G-XX	0.244	6.2	69	See color code
6 AWG (266/30) 16.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-6G-XX	0.314	8.0	111	See color code
4 AWG (420/30) 25.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-4G-XX	0.354	9.0	165	See color code
2 AWG (665/30) 35.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-2G-XX	0.417	10.6	249	See color code
1/0 (1045/30) 50.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-1/0-XX	0.565	14.3	450	See color code
2/0 (1330/30) 70.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-2/0-XX	0.620	15.7	551	See color code
3/0 (1672/30) 95.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-3/0-XX	0.680	17.3	672	See color code
4/0 (2109/30) 120.00mm <sup>2</sup>				
Part No.	Cable Ø		lbs/1,000ft	Color
	in	mm		
• MTW-4/0-XX	0.730	18.5	820	See color code

• standard stock item

XX - wire color (refer to color code)