

# MTW, TEW, UL 1015 & UL 1230 Hook-Up Wire

UL 105°C, 600V, VW-1 / 1032 1000V

CSA 105°C, 600V, FT1



PRODUCT DATA SHEET

UL 1015 hook-up wire is a PVC hook-up wire used for internal wiring for appliance and electronic equipment, panels, meters, point to point wiring, and many other applications. This PVC hook-up wire has multiple ratings, including MTW, TEW, UL 1015, and UL 1230. UL 1015 is an Appliance Wiring Material (AWM) style. Machine Machine Tool Wire (MTW) is a completely different UL Standard that covers both wires and cables designed for use on industrial machines. This allows the hook-up wire to be used in applications that required either type of UL approval.



## CONSTRUCTION

**Conductor** Stranded bare or tinned copper

**Insulation Material** Polyvinyl Chloride

**Color** A variety of insulation colors available

**Operating Temperature** 105°C

**Operating Voltage** 600V / 1000V

## STANDARDS

**UL 1426** Boat Cable

**UL 1063** Machine- Tool Wire

**UL 758** Appliance Wiring Material - Component

**CSA C22.2 No 127** Equipment and Lead Wires

IEWC Family	Conductor Type	AWG	Stranding	Nominal Insulation Thickness		Nominal O.D		UL Type	CSA Type
				Inch	mm	Inch	mm		
1028/08B19	Bare Copper	8	19/0295	0.0465	1.18	0.240	6.10	MTW, BC-5W2, 1028, 1231, 1015, 1336, 1344, 1032	TEW, AWM I A/B
1028/08T19	Tinned Copper	8	19/0295	0.0465	1.18	0.240	6.10	MTW, BC-5W2, 1028, 1231, 1015, 1336, 1344, 1032	TEW, AWM I A/B
1028/08B133	Bare Copper	8	133/29	0.0465	1.18	0.260	6.60	MTW, BC-5W2, 1028, 1231, 1015, 1336, 1344, 1032	TEW, AWM I A/B
1028/08T133	Tinned Copper	8	133/29	0.0465	1.18	0.260	6.60	MTW, BC-5W2, 1028, 1231, 1015, 1336, 1344, 1032	TEW, AWM I A/B
1015/10B105	Bare Copper	10	105/30	0.030	0.76	0.173	4.39	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/10T105	Tinned Copper	10	105/30	0.030	0.76	0.173	4.39	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/10B19	Bare Copper	10	19/0234	0.031	0.78	0.178	4.52	MTW, BC-5W2, 1028, 1231, 1015, 1336, 1344, 1032	TEW, AWM I A/B
1015/10T19	Tinned Copper	10	19/0234	0.031	0.78	0.178	4.52	MTW, BC-5W2, 1028, 1231, 1015, 1336, 1344, 1032	TEW, AWM I A/B
1015/12B65	Bare Copper	12	65/30	0.030	0.76	0.148	3.76	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/12T65	Tinned Copper	12	65/30	0.030	0.76	0.148	3.76	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/12B19	Bare Copper	12	19/0185	0.031	0.78	0.153	3.89	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/12T19	Tinned Copper	12	19/0185	0.031	0.78	0.153	3.89	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/14B41	Bare Copper	14	41/30	0.030	0.76	0.130	3.30	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/14T41	Tinned Copper	14	41/30	0.030	0.76	0.130	3.30	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/14B19	Bare Copper	14	19/0147	0.031	0.78	0.133	3.38	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/14T19	Tinned Copper	12	19/0147	0.031	0.78	0.133	3.38	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/16B26	Bare Copper	16	26/30	0.030	0.76	0.114	2.90	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/16T26	Tinned Copper	16	26/30	0.030	0.76	0.114	2.90	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/16B19	Bare Copper	16	19/0117	0.031	0.78	0.121	3.07	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/16T19	Tinned Copper	16	19/0117	0.031	0.78	0.121	3.07	MTW, BC-5W2, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/18B16	Bare Copper	18	16/30	0.030	0.76	0.104	2.64	MTW, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/18Q16	Overcoat Copper	18	16/30	0.031	0.78	0.108	2.74	MTW, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/20B10	Bare Copper	20	10/30	0.030	0.76	0.104	2.64	MTW, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/20T10	Tinned Copper	20	10/30	0.030	0.76	0.095	2.41	MTW, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B

<b>Design Number</b>	10852
<b>Revision History</b>	
00	2023/09/18 Initial Release
Created L. Jian	Approved A. Huang

All trademarks are property of their respective owners. All specifications are subject to change.

Milwaukee | 5001 South Towne Dr. New Berlin, WI 53151, USA

Frankfurt | Rudolf-Braas-Strasse 2, D-61381 Friedrichsdorf, Germany

Luton | Unit 11, Humphrys Road, Woodside Industrial Estate, Dunstable, LU5 4TP, UK

Suzhou | B2-2 Weiting Industrial - Workshop A, No. 9 Weixin Road, Suzhou Industrial Park, China

