

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 DC / 1000V DC

Size

- 10AWG** ASCENT E530842-*** 10 AWG (5.261mm²) (UL) BC-5W2 OR MTW OR THHW OR AWM 1011/1015/1230/1335 105C 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 605305 CSA TEW OR AWM I A/B 105C 600V FT1
- 12AWG** ASCENT E530842-*** 12 AWG (3.31mm²) (UL) BC-5W2 OR MTW OR THHW OR AWM 1011/1015/1230/1335 105C 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 605305 CSA TEW OR AWM I A/B 105C 600V FT1
- 14AWG** ASCENT E530842-*** 14 AWG (2.08mm²) (UL) BC-5W2 OR MTW OR THHW OR AWM 1011/1015/1230/1335 105C 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 605305 CSA TEW OR AWM I A/B 105C 600V FT1
- 16AWG** ASCENT E530842-*** 16 AWG (1.31mm²) (UL) BC-5W2 OR MTW OR AWM 1011/1015/1230/1335 105C 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 605305 CSA TEW OR AWM I A/B 105C 600V FT1
- 18AWG** ASCENT E478020-*** 18 AWG (0.823mm²) (UL) MTW OR AWM 1011/1015/1230/1335 105C 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 605305 CSA TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1
- 20AWG** ASCENT E478020-*** 20 AWG (0.519mm²) (UL) MTW OR AWM 1011/1015/1230/1335 105C 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 605305 CSA TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1

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

Print Legend

IEWC Family	Conductor Type	AWG	Stranding	Nominal Insulation Thickness		Nominal O.D		UL Type	CSA Type
				Inch	mm	Inch	mm		
1015/10B105	Bare Copper	10	105/30	0.030	0.76	0.173	4.39	MTW, BC-5W2, THHW, 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, THHW, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/12B65	Bare Copper	12	65/30	0.030	0.76	0.148	3.76	MTW, BC-5W2, THHW, 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, THHW, 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, THHW, 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, THHW, 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
1015/18B16	Bare Copper	18	16/30	0.030	0.76	0.104	2.64	MTW, 1011, 1015, 1032, 1230, 1335	TEW, AWM I A/B
1015/20B10	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

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