

Chandler, March 6th, 2023

CHANGE NOTICE

Changes, solid and stranded Hook-up-Wire

CnC Tech is notifying that after the manufacturing location moved from China to Taiwan, some of the strand counts, Insulation thicknesses and overall diameters have changed in the listed UL Hook-up-Wire below. Those wires with red text in the “Before” columns have updated information in the “After” columns.

Specification sheets are listed on our web page: www.cnctech.us

H. Meyer

CnC Tech

			CONDUCTOR STRANDED DIAMETER AWG TINNED COPPER (mm ²)		CONDUCTOR OVERALL	INSULATION THICKNESS UL STANDARD	INSULATION THICKNESS		UL STANDARD O.D.	OVERALL DIAMETER			
			AFTER	BEFORE	CNC TECH HOOK-up-WIRE	MINIMUM	CNC TECH HOOK-up-WIRE (mm)		MINIMUM	CNC TECH HOOK-up-WIRE (mm)			
UL WIRE	AWG	(mm ²)	22/03	22/03	DIAMETER (mm)	AT ANY POINT (mm)	AFTER 22/03	BEFORE 22/03	AT ANY POINT (mm)	AFTER 22/03	TOLERANCE	BEFORE 22/03	TOLERANCE
1007	16	1.25	26/0.254	- x -	1.496	0.330	0.41	- x -	2.16	2.30	+/-0.10	- x -	- x -
	18	0.84	34/0.18	- x -	1.212	0.330	0.41	- x -	1.87	2.10	+/-0.10	- x -	- x -
	20	0.53	21/0.18	- x -	0.953	0.330	0.41	- x -	1.61	1.90	+/-0.10	- x -	- x -
	22	0.33	17/0.16	- x -	0.762	0.330	0.41	- x -	1.42	1.60	+/-0.10	- x -	- x -
	24	0.22	11/0.16	- x -	0.613	0.330	0.41	- x -	1.27	1.40	+/-0.10	- x -	- x -
	26	0.12	7/0.16	- x -	0.489	0.330	0.41	- x -	1.15	1.20	+/-0.10	- x -	- x -
1015	10	5.3	105/0.254	- x -	3.006	0.685	0.80	- x -	4.38	5.00	+/-0.10	- x -	- x -
	12	3.3	65/0.254	- x -	2.365	0.685	0.80	- x -	3.74	4.00	+/-0.10	- x -	- x -
	14	2.1	41/0.254	- x -	1.878	0.685	0.80	- x -	3.25	3.50	+/-0.10	- x -	- x -
	16	1.25	26/0.254	- x -	1.496	0.685	0.80	- x -	2.87	3.10	+/-0.10	- x -	- x -
	18	0.84	34/0.18	- x -	1.212	0.685	0.80	- x -	2.58	2.70	+/-0.10	- x -	- x -
	20	0.53	21/0.18	- x -	0.953	0.685	0.80	- x -	2.32	2.50	+/-0.10	- x -	- x -
	22	0.33	17/0.16	- x -	0.762	0.685	0.80	- x -	2.13	2.40	+/-0.10	- x -	- x -
	24	0.22	11/0.16	- x -	0.613	0.685	0.80	- x -	1.98	2.10	+/-0.10	- x -	- x -
26	0.12	7/0.16	- x -	0.489	0.685	0.80	- x -	1.86	2.00	+/-0.10	- x -	- x -	
1330	20	0.53	19/0.20	7/0.32	1.000	0.457	0.51	0.51	1.91	2.05	+/-0.10	2.05	+/-0.10
	22	0.33	19/0.16	7/0.254	0.800	0.457	0.51	0.51	1.71	1.80	+/-0.10	1.90	+/-0.10
	24	0.22	19/0.12	7/0.20	0.600	0.457	0.51	0.51	1.51	1.65	+/-0.10	1.70	+/-0.10
	26	0.12	7/0.16	7/0.16	0.480	0.457	0.51	0.51	1.39	1.55	+/-0.10	1.55	+/-0.10
1332	12	3.3	65/0.254	- x -	2.365	0.305	0.33	- x -	2.97	3.03	+/-0.10	- x -	- x -
	14	2.1	19/0.361	- x -	1.817	0.305	0.33	- x -	2.43	2.51	+/-0.10	- x -	- x -
	16	1.25	19/0.29	- x -	1.460	0.305	0.33	- x -	2.07	2.17	+/-0.10	- x -	- x -
	18	0.84	19/0.24	- x -	1.208	0.305	0.33	- x -	1.82	1.86	+/-0.10	- x -	- x -
	20	0.53	19/0.20	7/0.32	1.007	0.305	0.33	0.33	1.62	1.66	+/-0.10	1.65	+/-0.10
	22	0.33	19/0.16	7/0.254	0.806	0.305	0.33	0.33	1.42	1.46	+/-0.10	1.45	+/-0.10
	24	0.22	19/0.127	7/0.20	0.639	0.305	0.33	0.33	1.25	1.26	+/-0.10	1.30	+/-0.10
26	0.12	7/0.16	- x -	0.489	0.305	0.33	- x -	1.10	1.16	+/-0.10	- x -	- x -	
1430	16	1.25	26/0.254	26/0.254	1.496	0.330	0.41	0.38	2.16	2.40	+/-0.10	2.30	+/-0.15
	18	0.84	34/0.18	34/0.18	1.212	0.330	0.41	0.38	1.87	2.10	+/-0.10	2.05	+/-0.10
	20	0.53	21/0.18	21/0.18	0.953	0.330	0.41	0.38	1.61	1.76	+/-0.10	1.75	+/-0.10
	22	0.33	17/0.16	17/0.16	0.762	0.330	0.41	0.38	1.42	1.55	+/-0.10	1.60	+/-0.10
	24	0.22	11/0.16	11/0.16	0.613	0.330	0.41	0.38	1.27	1.40	+/-0.10	1.45	+/-0.10
	26	0.12	7/0.16	7/0.16	0.489	0.330	0.41	0.38	1.15	1.32	+/-0.10	1.30	+/-0.10
1569	16	1.25	26/0.254	26/0.254	1.496	0.330	0.38	0.38	2.16	2.40	+/-0.10	2.40	+/-0.15
	18	0.84	34/0.18	34/0.18	1.212	0.330	0.38	0.38	1.87	2.10	+/-0.10	2.10	+/-0.10
	20	0.53	21/0.18	21/0.18	0.953	0.330	0.38	0.38	1.61	1.80	+/-0.10	1.85	+/-0.10
	22	0.33	17/0.16	17/0.16	0.762	0.330	0.38	0.38	1.42	1.60	+/-0.10	1.60	+/-0.10
24	0.22	11/0.16	11/0.16	0.613	0.330	0.38	0.38	1.27	1.40	+/-0.10	1.45	+/-0.10	

	26	0.12	7/0.16	- x -	0.489	0.330	0.38	- x -	1.15	1.30	+/-0.10	- x -	- x -
10064	22	0.33	7/0.254	- x -	0.776	0.051	0.12	- x -	0.88	1.20	+/-0.05	- x -	- x -
	24	0.22	7/0.20	- x -	0.611	0.051	0.12	- x -	0.71	0.80	+/-0.05	- x -	- x -
	26	0.12	7/0.16	- x -	0.489	0.051	0.12	- x -	0.59	0.70	+/-0.05	- x -	- x -
	28	0.08	7/0.12	7/0.12	0.367	0.051	0.12	0.15	0.47	0.60	+/-0.05	0.70	+/-0.05
	30	0.05	7/0.10	7/0.10	0.306	0.051	0.10	0.15	0.41	0.50	+/-0.05	0.60	+/-0.05
	32	0.032	7/0.08	7/0.08	0.244	0.051	0.07	0.15	0.35	0.38	+/-0.05	0.55	+/-0.05
	34	0.02	7/0.06	7/0.06	0.183	0.051	0.07	0.15	0.28	0.32	+/-0.05	0.50	+/-0.05
10368	26	0.12	7/0.16	7/0.16	0.489	0.203	0.27	0.23	0.90	1.02	+/-0.10	1.00	+/-0.10
	28	0.08	7/0.127	7/0.127	0.388	0.203	0.27	0.23	0.79	0.92	+/-0.05	0.90	+/-0.05
	30	0.05	7/0.102	7/0.10	0.306	0.203	0.27	0.23	0.71	0.84	+/-0.05	0.80	+/-0.05
11047	10	5.3	105/0.254	- x -	3.006	0.178/0.178	0.3/0.4	- x -	3.72	4.50	+/-0.15	- x -	- x -
	12	3.3	65/0.254	- x -	2.365	0.178/0.178	0.3/0.4	- x -	3.08	3.80	+/-0.15	- x -	- x -
	14	2.1	41/0.254	- x -	1.878	0.178/0.178	0.3/0.4	- x -	2.59	3.30	+/-0.15	- x -	- x -
	16	1.25	26/0.254	- x -	1.496	0.178/0.178	0.3/0.4	- x -	2.21	2.90	+/-0.15	- x -	- x -
	18	0.84	34/0.18	19/0.24	1.212	0.178/0.178	0.20/0.23	0.20/0.23	1.92	2.05	+/-0.10	2.05	+/-0.10
	20	0.53	21/0.18	7/0.32	0.953	0.178/0.178	0.20/0.23	0.20/0.23	1.66	1.80	+/-0.10	1.80	+/-0.10
	22	0.33	17/0.16	7/0.254	0.762	0.178/0.178	0.20/0.23	0.20/0.23	1.47	1.60	+/-0.10	1.60	+/-0.10
	24	0.22	11/0.16	7/0.16	0.613	0.178/0.178	0.20/0.23	0.20/0.23	1.32	1.46	+/-0.10	1.46	+/-0.10
	26	0.12	7/0.16	- x -	0.489	0.178/0.178	0.20/0.23	- x -	1.20	1.35	+/-0.10	- x -	- x -
21458	18	0.84	34/0.18	21/0.18	1.212	0.33	0.38	0.38	1.87	1.94*3.88	+/-0.10	1.94*3.88	+/-0.10
	20	0.53	21/0.18	21/0.18	0.953	0.33	0.38	0.38	1.61	1.8*3.6	+/-0.10	1.69*3.38	+/-0.10
	22	0.33	17/0.16	17/0.16	0.762	0.33	0.38	0.38	1.42	1.6*3.2	+/-0.10	1.50*3.00	+/-0.10
	24	0.22	11/0.16	11/0.16	0.613	0.33	0.38	0.38	1.27	1.45*2.9	+/-0.10	1.36*2.72	+/-0.10
	26	0.12	7/0.16	7/0.16	0.489	0.33	0.38	0.38	1.15	1.3*2.6	+/-0.10	1.24*2.47	+/-0.10
1672	18	0.84	34/0.18	34/0.18	1.212	0.127/0.127	0.4/0.5	0.4/0.5	1.72	3.10	+/-0.15	3.10	+/-0.15
	20	0.53	21/0.18	21/0.18	0.953	0.127/0.127	0.4/0.5	0.4/0.5	1.46	2.80	+/-0.15	2.80	+/-0.15
	22	0.33	17/0.16	17/0.16	0.762	0.127/0.127	0.4/0.5	0.4/0.5	1.27	2.50	+/-0.15	2.60	+/-0.15
	24	0.22	11/0.16	11/0.16	0.613	0.127/0.127	0.4/0.5	0.4/0.5	1.12	2.30	+/-0.15	2.40	+/-0.15
3132	16	1.25	26/0.254	26/0.254	1.496	0.33	0.40	0.39	2.16	2.30	+/-0.15	2.30	+/-0.15
	18	0.84	34/0.18	34/0.18	1.212	0.33	0.40	0.39	1.87	2.00	+/-0.15	2.00	+/-0.10
	20	0.53	21/0.18	21/0.18	0.953	0.33	0.40	0.39	1.61	1.80	+/-0.10	1.80	+/-0.10
	22	0.33	22/0.14	17/0.16	0.758	0.33	0.40	0.39	1.42	1.60	+/-0.10	1.60	+/-0.10
	24	0.22	11/0.16	11/0.16	0.613	0.33	0.40	0.39	1.27	1.45	+/-0.10	1.45	+/-0.10
	26	0.12	7/0.16	- x -	0.489	0.33	0.40	- x -	1.15	1.30	+/-0.10	- x -	- x -
3135	16	1.25	26/0.254	26/0.254	1.496	0.686	0.76	0.76	2.87	3.02	+/-0.20	3.02	+/-0.20
	18	0.84	7/0.40	34/0.18	1.222	0.686	0.76	0.76	2.59	2.72	+/-0.20	2.72	+/-0.20
	20	0.53	7/0.32	- x -	0.978	0.686	0.76	- x -	2.35	2.52	+/-0.15	- x -	- x -
	22	0.33	17/0.16	17/0.16	0.762	0.686	0.76	0.76	2.13	2.30	+/-0.15	2.30	+/-0.15
	24	0.22	11/0.16	- x -	0.613	0.686	0.76	- x -	1.98	2.12	+/-0.15	- x -	- x -
	26	0.12	7/0.16	- x -	0.489	0.686	0.76	- x -	1.86	2.05	+/-0.15	- x -	- x -
3239	16	1.25	26/0.254	26/0.254	1.496	0.50	0.65	0.635	2.50	2.80	+/-0.15	2.80	+/-0.15
	18	0.84	34/0.18	34/0.18	1.212	0.50	0.65	0.635	2.21	2.50	+/-0.15	2.50	+/-0.10
	20	0.53	21/0.18	21/0.18	0.953	0.50	0.65	0.635	1.95	2.25	+/-0.15	2.25	+/-0.10
	22	0.33	17/0.16	17/0.16	0.762	0.50	0.65	0.635	1.76	2.05	+/-0.15	2.05	+/-0.10
	24	0.22	11/0.16	11/0.16	0.613	0.50	0.65	0.635	1.61	1.90	+/-0.15	1.90	+/-0.10
3122	16	1.25	7/0.50	26/0.254	1.528	0.330	0.381/0.20	0.48/0.15	2.19	2.70	+/-0.20	2.70	+/-0.20
	18	0.84	7/0.40	34/0.18	1.222	0.330	0.381/0.20	0.48/0.15	1.88	2.40	+/-0.20	2.35	+/-0.20

	20	0.53	7/0.32	21/0.18	0.917	0.330	0.381/0.20	0.48/0.15	1.58	2.10	+/-0.20	2.15	+/-0.20
	22	0.33	7/0.26	17/0.16	0.795	0.330	0.381/0.20	0.48/0.15	1.45	1.95	+/-0.20	2.00	+/-0.20
	24	0.22	7/0.20	- x -	0.611	0.330	0.381/0.20	- x -	1.27	1.80	+/-0.20	- x -	- x -
	26	0.12	7/0.16	- x -	0.489	0.330	0.381/0.20	- x -	1.15	1.70	+/-0.20	- x -	- x -
1426	10	5.26	105/0.254	- x -	3.006	0.127	0.85	- x -	3.26	4.70	+/-0.20	- x -	- x -
	12	3.31	65/0.254	- x -	2.365	0.127	0.85	- x -	2.62	4.10	+/-0.20	- x -	- x -
	14	2.08	41/0.254	- x -	1.878	0.127	0.85	- x -	2.13	3.60	+/-0.15	- x -	- x -
	16	1.31	26/0.254	- x -	1.496	0.127	0.85	- x -	1.75	3.20	+/-0.15	- x -	- x -

			CONDUCTOR SOLID DIAMETER AWG TINNED COPPER (mm²)		CONDUCTOR OVERALL	INSULATION THICKNESS UL STANDARD	INSULATION THICKNESS	UL STANDARD O.D.	OVERALL DIAMETER				
			AFTER	BEFORE	CNC TECH HOOK-up-WIRE	MINIMUM	CNC TECH HOOK-up-WIRE (mm)		MINIMUM	CNC TECH HOOK-up-WIRE (mm)			

UL WIRE	AWG	(mm ²)	22/48	22/48	DIAMETER (mm)	AT ANY POINT (mm)	AFTER 22/48	BEFORE 22/48	AT ANY POINT (mm)	AFTER 22/48	TOLERANCE	BEFORE 22/48	TOLERANCE
10981	16	1.30	1/1.29	- x -	1.290	0.203	0.24	- x -	1.70	1.77	+/-0.10	- x -	- x -
	18	0.84	1/1.024	- x -	1.024	0.203	0.24	- x -	1.43	1.51	+/-0.10	- x -	- x -
	20	0.53	1/0.813	- x -	0.813	0.203	0.24	- x -	1.22	1.29	+/-0.10	- x -	- x -
	22	0.33	1/0.643	- x -	0.643	0.203	0.24	- x -	1.05	1.12	+/-0.10	- x -	- x -
	24	0.22	1/0.511	- x -	0.511	0.203	0.24	- x -	0.92	0.99	+/-0.10	- x -	- x -
	26	0.12	1/0.404	- x -	0.404	0.203	0.24	- x -	0.81	0.88	+/-0.10	- x -	- x -
	28	0.08	1/0.320	- x -	0.320	0.203	0.24	- x -	0.73	0.80	+/-0.10	- x -	- x -
	30	0.05	1/0.254	- x -	0.254	0.203	0.24	- x -	0.66	0.73	+/-0.10	- x -	- x -
10982	18	0.84	1/1.02	1/1.02	1.020	0.330	0.38	0.38	1.68	1.80	+/-0.10	1.70	+/-0.10
	20	0.53	1/0.813	1/0.813	0.813	0.330	0.38	0.38	1.47	1.60	+/-0.10	1.50	+/-0.10
	22	0.33	1/0.643	1/0.643	0.643	0.330	0.38	0.38	1.30	1.40	+/-0.10	1.40	+/-0.10
3132	18	0.84	1/1.02	1/1.02	1.020	0.330	0.40	0.39	1.68	1.80	+/-0.10	2.00	+/-0.10
	20	0.53	1/0.813	1/0.813	0.813	0.330	0.40	0.39	1.47	1.60	+/-0.10	1.70	+/-0.10
	22	0.33	1/0.643	1/0.643	0.643	0.330	0.40	0.39	1.30	1.50	+/-0.10	1.55	+/-0.10
1007	16	1.30	1/1.29	- x -	1.290	0.330	0.41	- x -	1.95	2.10	+/-0.10	- x -	- x -
	18	0.84	1/1.024	- x -	1.020	0.330	0.41	- x -	1.68	1.85	+/-0.10	- x -	- x -
	20	0.53	1/0.813	- x -	0.813	0.330	0.41	- x -	1.47	1.65	+/-0.10	- x -	- x -
	22	0.33	1/0.643	- x -	0.643	0.330	0.41	- x -	1.30	1.50	+/-0.10	- x -	- x -
	24	0.22	1/0.511	- x -	0.511	0.330	0.41	- x -	1.17	1.35	+/-0.10	- x -	- x -
	26	0.12	1/0.404	- x -	0.404	0.330	0.41	- x -	1.06	1.25	+/-0.10	- x -	- x -
1015	10	5.3	1/2.588	- x -	2.588	0.685	0.80	- x -	3.96	4.20	+/-0.10	- x -	- x -
	12	3.3	1/2.05	- x -	2.050	0.685	0.80	- x -	3.42	3.65	+/-0.10	- x -	- x -
	14	2.10	1/1.63	- x -	1.630	0.685	0.80	- x -	3.00	3.25	+/-0.10	- x -	- x -
	16	1.30	1/1.29	- x -	1.290	0.685	0.80	- x -	2.66	2.90	+/-0.10	- x -	- x -
	18	0.84	1/1.024	- x -	1.020	0.685	0.80	- x -	2.39	2.65	+/-0.10	- x -	- x -
	20	0.53	1/0.813	- x -	0.813	0.685	0.80	- x -	2.18	2.40	+/-0.10	- x -	- x -
	22	0.33	1/0.643	- x -	0.643	0.685	0.80	- x -	2.01	2.25	+/-0.10	- x -	- x -
	24	0.22	1/0.511	- x -	0.511	0.685	0.80	- x -	1.88	2.10	+/-0.10	- x -	- x -
	26	0.12	1/0.404	- x -	0.404	0.685	0.80	- x -	1.77	2.00	+/-0.10	- x -	- x -