CnC Tech
Industrial Cable and Connector Technology

Chandler, March 2025

CHANGE NOTICE – HOOK-up-WIRE -, EFFECTIVE March 17th, 2025

CNC Tech is notifying you that we have changed the manufacturing location of all our NON-SILICONE wire in Taiwan.

Dimensional and tolerance changes are shown in a comparison table posted on our web page.
Due to UL regulations, FEP wire strands < than 0.381mm, the copper plating must change from tinned to Nickel plated copper. Substitute part numbers will show **-S instead of -TS**.

These changes will affect wire produced **AFTER 25/12** (Date Code).

H. Meyer
CnC Tech

7402 W. Detroit Street, Ste 180 Chandler, AZ 85226 Phone: 480-269-8787

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Comparison Table

Please review changes on our Hook-up-Wires date code **AFTER 25/12** below:

UL WIRE		CONDUCTOR STRANDED DIAMETER AWG TINNED COPPER (mm²)		INSULATION THICKNESS		OVERALL DIAMETER				MAXMIUM CONDUCTOR RESISTANCE		Sparking Test							
Part No.				CNC TECH HOOK-up-WIRE (mm)		CNC TECH HOOK-up-WIRE (mm)				Ω/km		1 sec		Rated Temperature		Withstand voltage spark:		After aged:	
AWG	(mm²)	AFTER 25/12	BEFORE 25/12	AFTER 25/12	BEFORE 25/12	AFTER 25/12	TOLERANCE	BEFORE 25/12	TOLERANCE	AFTER 25/12	BEFORE 25/12	AFTER 25/12	BEFORE 25/12	AFTER 25/12	BEFORE 25/12	AFTER 25/12	BEFORE 25/12	AFTER 25/12	BEFORE 25/12
1430-XX-1-0500-0XX-1-TS																			
16	1.3	26/0.254	26/0.255	0.41	0.41	2.40	+/-0.10	2.40	+/-0.10	14.6	4.18								
18	0.8	34/0.18	34/0.18	0.41	0.41	2.10	+/-0.10	2.10	+/-0.10	23.2	6.64								
20	0.5	21/0.18	21/0.18	0.41	0.41	1.80	+/-0.10	1.76	+/-0.10	36.7	10.5								
22	0.3	17/0.16	17/0.16	0.41	0.41	1.60	+/-0.10	1.55	+/-0.10	59.4	16.7								
24	0.2	11/0.16	11/0.16	0.41	0.41	1.40	+/-0.10	1.40	+/-0.10	94.2	29.3								
26	0.1	7/0.16	7/0.16	0.41	0.41	1.30	+/-0.10	1.32	+/-0.10	150	45.2								
28	0.1	7/0.127	7/0.127	0.41	0.41	1.20	+/-0.10	1.20	+/-0.10	239	72							Tensile Strength: 136±1°C / 168 hr 70% ↑	Tensile Strength: 136±1°C / 168 hr 75% ↑
30	0.1	7/0.102	7/1.02	0.41	0.41	1.10	+/-0.10	1.10	+/-0.10	381	114.4	- x -	- x -	105°C	105°C	3KV/0.15sec	3KV/0.15sec		
1569-XX-1-0500-0XX-1-TS																			
16	1.3	26/0.254	26/0.254	0.38	0.38	2.40	+/-0.10	2.40	+/-0.10	14.6	4.18								
18	0.8	34/0.18	34/0.18	0.38	0.38	2.10	+/-0.10	2.10	+/-0.10	23.2	6.64								
20	0.5	21/0.18	21/0.18	0.38	0.38	1.80	+/-0.10	1.80	+/-0.10	36.7	10.5								
22	0.3	17/0.16	17/0.16	0.38	0.38	1.60	+/-0.10	1.60	+/-0.10	59.4	16.7								
24	0.2	11/0.16	11/0.16	0.38	0.38	1.40	+/-0.10	1.40	+/-0.10	94.2	29.3								
26	0.1	7/0.16	7/0.16	0.38	0.38	1.30	+/-0.10	1.30	+/-0.10	150	45.2								
28	0.1	7/0.127	7/0.127	0.38	0.38	1.20	+/-0.10	1.20	+/-0.10	239	72							Tensile Strength: 136±1°C / 168 hr 70% ↑	Tensile Strength: 136±1°C / 168 hr 70% ↑
30	0.1	7/0.102	7/0.102	0.38	0.38	1.10	+/-0.10	1.10	+/-0.10	381	114.4	- x -	- x -	105°C	80°C	3KV/0.15sec	3KV/0.15sec		
10064-XX-1-0500-0XX-1-TS																			
22	0.3	7/0.254	7/0.254	0.12	0.120	1.00	+/-0.05	1.20	+/-0.05	59.4	59.4								
24	0.2	7/0.2	7/0.2	0.12	0.120	0.84	+/-0.05	0.80	+/-0.05	94.2	94.2								
26	0.1	7/0.16	7/0.16	0.12	0.120	0.72	+/-0.05	0.70	+/-0.05	150	150								
28	0.1	7/0.12	7/0.12	0.12	0.120	0.60	+/-0.05	0.60	+/-0.05	239	239								
30	0.1	7/0.1	7/0.10	0.10	0.100	0.50	+/-0.05	0.50	+/-0.05	381	381								
32	0.0	7/0.08	7/0.08	0.07	0.070	0.40	+/-0.05	0.38	+/-0.05	583	583							Tensile Strength: 232±1°C/168hr 75% ↑ Elongation: 232±1°C/168hr 75% ↑	Tensile Strength: 136±1°C/168hr 75% ↑ Elongation: 136±1°C/168hr 75% ↑
34	0.0	7/0.06	7/0.06	0.07	0.070	0.34	+/-0.05	0.32	+/-0.05	956	956								
36	0.0	7/0.05	7/0.05	0.07	0.065	0.31	+/-0.05	0.30	+/-0.05	1530	1530	- x -	- x -	105°C	105°C	1KV/0.15sec	1KV/0.15sec		
10368-XX-1-0500-0XX-1-TS																			
22	0.3	17/0.16	17/0.16	0.27	0.27	1.30	+/-0.10	1.30	+/-0.10	59.4	59.4								
24	0.2	11/0.16	11/0.16	0.27	0.27	1.15	+/-0.10	1.15	+/-0.10	94.2	94.2								
26	0.1	7/0.16	7/0.16	0.27	0.27	1.05	+/-0.10	1.02	+/-0.10	150	150								
28	0.1	7/0.12	7/0.127	0.27	0.27	0.92	+/-0.10	0.92	+/-0.05	239	239							Tensile Strength: 136±1°C/168hr 75% ↑ Elongation: 136±1°C/168hr 75% ↑	Tensile Strength: 136±1°C/168hr 75% ↑ Elongation: 136±1°C/168hr 75% ↑
30	0.1	7/0.1	7/0.102	0.27	0.27	0.84	+/-0.10	0.84	+/-0.05	381	381								
32	0.0	7/0.08	7/0.08	0.03	0.03	0.78	+/-0.05	0.78	+/-0.05	648	648	- x -	- x -	105°C	105°C	3KV/0.15sec	1KV/0.15sec		
1332-XX-1-0X00-0XX-1-TS																			
10	5.3	41/0.405	42/0.40	0.33	0.33	3.70	+/-0.10	3.80	+/-0.10	3.546	3.27								
12	3.3	19/0.47	65/0.254	0.33	0.33	3.00	+/-0.10	3.03	+/-0.10	5.64	5.21							Tensile Strength: 232±1°C/168hr 75% ↑ Elongation: 232±1°C/168hr 75% ↑	Tensile Strength: 232±1°C/168hr 75% ↑ Elongation: 232±1°C/168hr 75% ↑
14	2.1	19/0.382	19/0.361	0.33	0.33	2.57	+/-0.10	2.51	+/-0.10	8.96	9.8	- x -	- x -	200°C	200°C	3KV/0.15sec	3KV/0.15sec		

1330-XX-1-0X00-0XX-1-TS																			
12	3.3	19/0.47	65/0.254	0.51	0.51	3.40	+/-0.10	3.40	+/-0.10	5.21	5.64							Tensile Strength: 232±1°C/168hr 75% ↑ Elongation: 232±1°C/168hr 75% ↑	Tensile Strength: 232±1°C/168hr 75% ↑ Elongation: 232±1°C/168hr 75% ↑
14	2.1	19/0.382	19/0.361	0.51	0.51	2.85	+/-0.10	2.85	+/-0.10	9.8	8.96	- X -	- X -	200°C	200°C	3KV/0.15sec	5KV/0.15sec		
3321-XX-1-0500-0XX-1-TS																			
14	2.1	41/0.254	41/0.254	0.85	0.85	3.60	+/-0.20	3.60	+/-0.10	8.96	9.33								
16	1.3	26/0.254	26/0.254	0.85	0.85	3.20	+/-0.15	3.20	+/-0.10	14.6	14.9								
18	0.8	34/0.18	16/0.254	0.81	0.81	2.80	+/-0.15	2.80	+/-0.10	23.2	23.7								
20	0.5	21/0.18	21/0.18	0.81	0.81	2.55	+/-0.10	2.55	+/-0.05	36.7	35.3							Tensile Strength: 180±1°C/168hr 80% ↑ Elongation: 180±1°C/168hr 80% ↑	Tensile Strength: 180±1°C/168hr 80% ↑ Elongation: 180±1°C/168hr 80% ↑
22	0.3	17/0.16	17/0.16	0.81	0.81	2.36	+/-0.10	2.45	+/-0.05	59.4	59.4								
24	0.2	11/0.16	11/0.16	0.81	0.81	2.20	+/-0.10	2.30	+/-0.05	94.2	94.2	- X -	- X -	105°C	105°C	6KV/0.15sec	6KV/0.15sec		
1007-XX-1-2000-0XX-1-TS																			
16	1.3	26/0.254	26/0.254	0.41	0.41	2.40	+/-0.10	2.30	+/-0.10	4.45	4.1	3KV	1000VAC						
18	0.8	34/0.18	34/0.18	0.41	0.41	2.10	+/-0.10	2.10	+/-0.10	7.06	6.52	3KV	1000VAC						
20	0.5	21/0.18	21/0.18	0.41	0.41	1.80	+/-0.10	1.90	+/-0.10	11.2	10.3	3KV	1000VAC						
22	0.3	17/0.16	17/0.16	0.41	0.41	1.60	+/-0.10	1.60	+/-0.10	18.1	16.5	3KV	1000VAC						
24	0.2	11/0.16	11/0.16	0.41	0.41	1.40	+/-0.10	1.40	+/-0.10	28.7	27.25	3KV	1000VAC						
26	0.1	7/0.16	7/0.16	0.41	0.41	1.30	+/-0.10	1.20	+/-0.10	45.8	43.53	3KV	1000VAC						
28	0.1	7/0.127	- x -	0.41	- x -	1.20	+/-0.10	- x -	- x -	72.8	- x -	3KV	- x -					Elongation:45% result of unaged test specimen	Elongation:65% result of unaged test specimen
30	0.1	7/0.102	- x -	0.41	- x -	1.13	+/-0.10	- x -	- x -	116	- x -	3KV	- x -	80°C	80°C	- x -	- x -		
1007-XX-1-2000-0XX-1-TD																			
16	1.3	1/1.3	1/1.29	0.41	0.41	2.10	+/-0.10	2.10	+/-0.10	4.26	4.1	3KV	1000VAC						
18	0.8	1/1.02	1/1.024	0.41	0.41	1.85	+/-0.10	1.85	+/-0.10	6.77	6.52	3KV	1000VAC						
20	0.5	1/0.813	1/0.813	0.41	0.41	1.65	+/-0.10	1.65	+/-0.10	10.7	10.3	3KV	1000VAC						
22	0.3	1/0.64	1/0.643	0.41	0.41	1.60	+/-0.10	1.50	+/-0.10	17.2	16.5	3KV	1000VAC						
24	0.2	1/0.51	1/0.511	0.41	0.41	1.35	+/-0.10	1.35	+/-0.10	27.3	27.25	3KV	1000VAC					Elongation:45% result of unaged test specimen	Elongation:65% result of unaged test specimen
26	0.1	1/0.404	1/0.404	0.41	0.41	1.25	+/-0.10	1.25	+/-0.10	43.5	43.53	3KV	1000VAC	80°C	80°C	- x -	- x -		
1015-XX-1-2000-0XX-1-TS																			
10	5.3	105/0.254	105/0.254	0.80	0.80	5.10	+/-0.10	5.00	+/-0.10	1.08	1.02	6KV	1500VAC						
12	3.3	65/0.254	65/0.254	0.80	0.80	3.90	+/-0.10	4.00	+/-0.10	1.72	1.62	6KV	1500VAC						
14	2.1	41/0.254	41/0.254	0.80	0.80	3.50	+/-0.10	3.50	+/-0.10	2.73	2.57	6KV	1500VAC						
16	1.3	26/0.255	26/0.254	0.80	0.80	3.10	+/-0.10	3.10	+/-0.10	4.45	4.1	6KV	1500VAC						
18	0.8	34/0.18	34/0.18	0.80	0.80	2.80	+/-0.10	2.70	+/-0.10	7.06	6.52	6KV	1500VAC						
20	0.5	21/0.18	21/0.18	0.80	0.80	2.50	+/-0.10	2.50	+/-0.10	11.2	10.3	6KV	1500VAC						
22	0.3	17/0.16	17/0.16	0.80	0.80	2.40	+/-0.10	2.40	+/-0.10	18.1	16.5	6KV	1500VAC						
24	0.2	11/0.16	11/0.16	0.80	0.80	2.20	+/-0.10	2.10	+/-0.10	28.7	27.25	6KV	1500VAC					Elongation:45% result of unaged test specimen	Elongation:65% result of unaged test specimen
26	0.1	7/0.16	7/0.16	0.80	0.80	2.05	+/-0.10	2.00	+/-0.10	45.8	43.53	6KV	1500VAC	105°C	105°C	- x -	- x -		
1015-XX-1-2000-0XX-1-TD																			
10	5.3	1/2.588	1/2.588	0.80	0.80	4.20	+/-0.10	4.20	+/-0.10	1.06	1.02	6KV	1500VAC						
12	3.3	1/2.05	1/2.05	0.80	0.80	3.65	+/-0.10	3.65	+/-0.10	1.68	1.62	6KV	1500VAC						
14	2.10	1/1.60	1/1.63	0.80	0.80	3.25	+/-0.10	3.25	+/-0.10	2.68	2.57	6KV	1500VAC						
16	1.25	1/1.29	1/1.29	0.80	0.80	2.90	+/-0.10	2.90	+/-0.10	4.26	4.1	6KV	1500VAC						
18	0.84	1/1.02	1/1.024	0.80	0.80	2.65	+/-0.10	2.65	+/-0.10	6.77	6.52	6KV	1500VAC						
20	0.53	1/0.813	1/0.813	0.80	0.80	2.40	+/-0.10	2.40	+/-0.10	10.7	10.3	6KV	1500VAC						
22	0.33	1/0.643	1/0.643	0.80	0.80	2.25	+/-0.10	2.25	+/-0.10	17.2	16.5	6KV	1500VAC						
24	0.22	1/0.511	1/0.511	0.80	0.80	2.10	+/-0.10	2.10	+/-0.10	27.3	27.25	6KV	1500VAC					Elongation:45% result of unaged test specimen	Elongation:65% result of unaged test specimen
26	0.14	1/0.404	1/0.404	0.80	0.80	2.00	+/-0.10	2.00	+/-0.10	43.5	43.53	6KV	1500VAC	105°C	105°C	- x -	- x -		
21458-XX-2-0500-0XX-1-TS																			
18	0.84	34/0.18	34/0.18	0.40	0.40	2.0 * 4.0	+/-0.10	2.0 * 4.0	+/-0.10	23.2	23.2	- X -	- X -						
20	0.53	21/0.18	21/0.18	0.40	0.40	1.8 * 3.6	+/-0.10	1.8 * 3.6	+/-0.10	36.7	36.7	- X -	- X -						
22	0.33	17/0.16	17/0.16	0.40	0.40	1.6 * 3.2	+/-0.10	1.6 * 3.2	+/-0.10	55.9	55.9	- X -	- X -					Tensile Strength: 113±1°C/168hr 70% ↑ Elongation: 113±1°C/168hr 65% ↑	Tensile Strength: 113±1°C/168hr 70% ↑ Elongation: 113±1°C/168hr 65% ↑
24	0.22	11/0.16	11/0.16	0.40	0.40	1.45 * 2.9	+/-0.10	1.45 * 2.9	+/-0.10	86.3	86.3	- X -	- X -						
26	0.14	7/0.16	7/0.16	0.40	0.40	1.3 * 2.6	+/-0.10	1.3 * 2.6	+/-0.10	135	135	- X -	- X -	80°C	80°C	3KV/0.15sec	3KV/0.15sec		
3132-XX-1-2000-0XX-1-TD																			
16AWG	1.30	1/1.29	1/1.29	0.381	0.40	2.20	+/-0.10	2.10	+/-0.10	14.6	15.1								
18AWG	0.84	1/1.02	1/1.02	0.381	0.40	1.90	+/-0.10	1.80	+/-0.10	23.5	23.3								
20AWG	0.53	1/0.813	1/0.813	0.381	0.40	1.60	+/-0.10	1.60	+/-0.10	37.4	35.2								
22AWG	0.33	1/0.643	1/0.643	0.381	0.40	1.50	+/-0.10	1.50	+/-0.10	59.4	57.5								
24AWG	0.22	1/0.511	1/0.511	0.381	0.40	1.40	+/-0.10	1.40	+/-0.10	94.2	88.9								
26AWG	0.12	1/0.404	1/0.404	0.381	0.40	1.30	+/-0.10	1.30	+/-0.10	150	139								
28AWG	0.08	1/0.32	1/0.32	0.381	0.40	1.20	+/-0.10	1.20	+/-0.10	239	223	0.7 Sec	1 Sec					Test specimens being kept in an air oven with 158°C(±1°C) for 60days	Test specimens being kept in an air oven with 180°C(±1°C) for 60days
30AWG	0.05	1/0.254	1/0.254	0.40	0.40	1.10	+/-0.10	1.00	+/-0.10	381	354	3000VAC	1000VAC	105°C	105°C	- x -	- x -		
3122-XX-1-0500-0XX-1-TS																			
16AWG	1.25	7/0.5	7/0.5	0.40	0.381	2.70	+/-0.2	2.70	+/-0.2	14.6	23.5							Test specimens being kept in an air oven with 210°C(±1°C) for 60days	Test specimens being kept in an air oven with 158°C(±1°C) for 60days
18AWG	0.84	7/0.4	7/0.4	0.381	0.381	2.40	+/-0.2	2.40	+/-0.2	23.5	23.3	- X -	- X -	200°C	200°C	- x -	- x -		