



National Standard Parts Associates, Inc.

Copper Battery Lugs - Heavy-Duty

09/20/18

NOTES:

1. MATERIAL: 99.9% COPPER
2. FOR STRANDED COPPER WIRE ONLY
3. RATED FOR 600 VOLTS



TIN PLATED NSPA Part #	CABLE SIZE	STUD	ANGLE	PAD WIDTH (+/- 0.030)	PAD THICKNESS (Ref)	BARREL LENGTH (+/- 0.040)	BARREL ID MIN	OVERALL LENGTH (+/- 0.040)	MATERIAL THICKNESS (+/- 0.007)	PRINT COLOR	MARKING/ TOOL DIE SETTING	UL LISTED
BCHD-8-14	8	1/4"	STRAIGHT	0.43	0.09	0.45	0.17	1.20	0.049	RED	8 M-K RED	Y
BCHD-8-516	8	5/16"	STRAIGHT	0.55	0.07	0.45	0.17	1.33	0.049	RED	8 M-K RED	Y
BCHD-8-38	8	3/8"	STRAIGHT	0.60	0.06	0.45	0.17	1.50	0.049	RED	8 M-K RED	Y
BCHD-8-38-45	8	3/8"	45°	0.60	0.06	0.45	0.17	-	0.049	RED	8 M-K RED	Y
BCHD-8-38-90	8	3/8"	90°	0.60	0.06	0.45	0.17	-	0.049	RED	8 M-K RED	Y
BCHD-6-10	6	#10	STRAIGHT	0.47	0.11	0.50	0.21	1.33	0.056	BLUE	6 K-K BLU	Y
BCHD-6-14	6	1/4"	STRAIGHT	0.47	0.11	0.50	0.21	1.33	0.056	BLUE	6 K-K BLU	Y
BCHD-6-516	6	5/16"	STRAIGHT	0.63	0.08	0.50	0.21	1.50	0.056	BLUE	6 K-K BLU	Y
BCHD-6-38	6	3/8"	STRAIGHT	0.60	0.08	0.50	0.21	1.75	0.056	BLUE	6 K-K BLU	Y
BCHD-6-38-45	6	3/8"	45°	0.60	0.08	0.50	0.21	-	0.056	BLUE	6 K-K BLU	Y
BCHD-6-12	6	1/2"	STRAIGHT	0.67	0.07	0.50	0.21	1.75	0.056	BLUE	6 K-K BLU	Y
BCHD-4-10	4	#10	STRAIGHT	0.56	0.11	0.50	0.27	1.50	0.056	GRAY	4 J-H GREY	Y
BCHD-4-14	4	1/4"	STRAIGHT	0.56	0.11	0.50	0.27	1.50	0.056	GRAY	4 J-H GREY	Y
BCHD-4-516	4	5/16"	STRAIGHT	0.60	0.10	0.50	0.27	1.65	0.056	GRAY	4 J-H GREY	Y
BCHD-4-38	4	3/8"	STRAIGHT	0.60	0.10	0.50	0.27	1.85	0.056	GRAY	4 J-H GREY	Y
BCHD-4-38-45	4	3/8"	45°	0.60	0.10	0.50	0.27	-	0.056	GRAY	4 J-H GREY	Y
BCHD-4-38-90	4	3/8"	90°	0.60	0.10	0.50	0.27	-	0.056	GRAY	4 J-H GREY	Y
BCHD-4-12	4	1/2"	STRAIGHT	0.67	0.09	0.50	0.27	1.85	0.056	GRAY	4 J-H GREY	Y
BCHD-2-1-14	2-1	1/4"	STRAIGHT	0.77	0.15	0.70	0.38	2.05	0.076	PINK	1-2 H-H PINK	Y
BCHD-2-1-516	2-1	5/16"	STRAIGHT	0.77	0.15	0.70	0.38	1.85	0.076	PINK	1-2 H-H PINK	Y
BCHD-2-1-516-45	2-1	5/16"	45°	0.77	0.15	0.70	0.38	-	0.076	PINK	1-2 H-H PINK	Y



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BCHD-2-1-516-90	2-1	5/16"	90°	0.77	0.15	0.70	0.38	-	0.076	PINK	1-2 H-H PINK	Y
BCHD-2-1-38	2-1	3/8"	STRAIGHT	0.77	0.15	0.70	0.38	2.05	0.076	PINK	1-2 H-H PINK	Y
BCHD-2-1-38-45	2-1	3/8"	45°	0.77	0.15	0.70	0.38	-	0.076	PINK	1-2 H-H PINK	Y
BCHD-2-1-38-90	2-1	3/8"	90°	0.77	0.15	0.70	0.38	-	0.076	PINK	1-2 H-H PINK	Y
BCHD-2-1-12	2-1	1/2"	STRAIGHT	0.77	0.15	0.70	0.38	2.10	0.076	PINK	1-2 H-H PINK	Y
BCHD-2-1-12-45	2-1	1/2"	45°	0.77	0.15	0.70	0.38	-	0.076	PINK	1-2 H-H PINK	Y
BCHD-2-1-12-90	2-1	1/2"	90°	0.77	0.15	0.70	0.38	-	0.076	PINK	1-2 H-H PINK	Y
BCHD-10-14	1/0	1/4"	STRAIGHT	0.87	0.15	0.70	0.45	2.18	0.076	BLACK	1/0 E-A BLK	Y
BCHD-10-516	1/0	5/16"	STRAIGHT	0.87	0.15	0.70	0.45	2.03	0.076	BLACK	1/0 E-A BLK	Y
BCHD-10-516-45	1/0	5/16"	45°	0.87	0.15	0.70	0.45	-	0.076	BLACK	1/0 E-A BLK	Y
BCHD-10-516-90	1/0	5/16"	90°	0.87	0.15	0.70	0.45	-	0.076	BLACK	1/0 E-A BLK	Y
BCHD-10-38	1/0	3/8"	STRAIGHT	0.87	0.15	0.70	0.45	2.18	0.076	BLACK	1/0 E-A BLK	Y
BCHD-10-38-45	1/0	3/8"	45°	0.87	0.15	0.70	0.45	-	0.076	BLACK	1/0 E-A BLK	Y
BCHD-10-38-90	1/0	3/8"	90°	0.87	0.15	0.70	0.45	-	0.076	BLACK	1/0 E-A BLK	Y
BCHD-10-12	1/0	1/2"	STRAIGHT	0.87	0.15	0.70	0.45	2.20	0.076	BLACK	1/0 E-A BLK	Y
BCHD-20-14	2/0	1/4"	STRAIGHT	0.92	0.18	0.80	0.46	2.28	0.088	ORANGE	2/0 A-C ORG	Y
BCHD-20-516	2/0	5/16"	STRAIGHT	0.92	0.18	0.80	0.46	2.10	0.088	ORANGE	2/0 A-C ORG	Y
BCHD-20-516-45	2/0	5/16"	45°	0.92	0.18	0.80	0.46	-	0.088	ORANGE	2/0 A-C ORG	Y
BCHD-20-38	2/0	3/8"	STRAIGHT	0.92	0.18	0.80	0.46	2.24	0.088	ORANGE	2/0 A-C ORG	Y
BCHD-20-38-45	2/0	3/8"	45°	0.92	0.18	0.80	0.46	-	0.088	ORANGE	2/0 A-C ORG	Y
BCHD-20-38-90	2/0	3/8"	90°	0.92	0.18	0.80	0.46	-	0.088	ORANGE	2/0 A-C ORG	Y



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BCHD-20-38-LE	2/0	3/8"	LEFT ELBOW	0.92	0.18	1.00	0.46	-	0.088	ORANGE	2/0 A-C ORG	Y
BCHD-20-38-RE	2/0	3/8"	RIGHT ELBOW	0.92	0.18	1.00	0.46	-	0.088	ORANGE	2/0 A-C ORG	Y
BCHD-20-12	2/0	1/2"	STRAIGHT	0.92	0.18	0.80	0.46	2.28	0.088	ORANGE	2/0 A-C ORG	Y
BCHD-20-12-45	2/0	1/2"	45°	0.92	0.18	0.80	0.46	-	0.088	ORANGE	2/0 A-C ORG	Y
BCHD-20-12-90	2/0	1/2"	90°	0.92	0.18	0.80	0.46	-	0.088	ORANGE	2/0 A-C ORG	Y
BCHD-30-38	3/0	3/8"	STRAIGHT	1.02	0.18	0.80	0.52	2.45	0.088	PURPLE	3/0 A-B PUR	Y
BCHD-30-12	3/0	1/2"	STRAIGHT	1.02	0.18	0.80	0.52	2.45	0.088	PURPLE	3/0 A-B PUR	Y
BCHD-40-38	4/0	3/8"	STRAIGHT	1.10	0.18	0.80	0.58	2.56	0.088	YELLOW	4/0 A-A YEL	Y
BCHD-40-12	4/0	1/2"	STRAIGHT	1.10	0.18	0.80	0.58	2.65	0.088	YELLOW	4/0 A-A YEL	Y
BCHD-30-12-45	3/0	1/2"	45°	1.02	0.18	0.80	0.52	-	0.088	PURPLE	3/0 A-B PUR	Y
BCHD-30-12-90	3/0	1/2"	90°	1.02	0.18	0.80	0.52	-	0.088	PURPLE	3/0 A-B PUR	Y
BCHD-30-38-45	3/0	3/8"	45°	1.02	0.18	0.80	0.52	-	0.088	PURPLE	3/0 A-B PUR	Y
BCHD-30-38-90	3/0	3/8"	90°	1.02	0.18	0.80	0.52	-	0.088	PURPLE	3/0 A-B PUR	Y
BCHD-30-516	3/0	5/16"	STRAIGHT	1.02	0.18	0.80	0.52	2.45	0.088	PURPLE	3/0 A-B PUR	Y
BCHD-30-516-45	3/0	5/16"	45°	1.02	0.18	0.80	0.52	-	0.088	PURPLE	3/0 A-B PUR	Y
BCHD-40-12-45	4/0	1/2"	45°	1.10	0.18	0.80	0.58	-	0.088	YELLOW	4/0 A-A YEL	Y
BCHD-40-12-90	4/0	1/2"	90°	1.10	0.18	0.80	0.58	-	0.088	YELLOW	4/0 A-A YEL	Y
BCHD-40-38-45	4/0	3/8"	45°	1.10	0.18	0.80	0.58	-	0.088	YELLOW	4/0 A-A YEL	Y
BCHD-40-38-90	4/0	3/8"	90°	1.10	0.18	0.80	0.58	-	0.088	YELLOW	4/0 A-A YEL	Y



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BCHD-40-516	4/0	5/16"	STRAIGHT	1.10	0.18	0.80	0.58	2.56	0.088	YELLOW	4/0 A-A YEL	Y
BCHD-40-516-90	4/0	5/16"	90°	1.10	0.18	0.80	0.58	-	0.088	YELLOW	4/0 A-A YEL	Y

All dimensions are measured in inches except where noted.