

6 11	CATALOG NUMBER	WIRE / CONDUCTOR SIZE			STUD SIZE	NO. OF HOLES	STUD HOLE DIAMETER	FIG.	OUTSIDE DIAMETE R	BARREL LENGTH (B)	PAD WIDTH (C)	PAD LENGTH (D)	HOLE SPACING (E & F)	OVERALL LENGTH (L)	HOLE OFFSET (N)	PAD THICKNESS (T)	HEIGHT (H)	COLOR CODE	DIE INDEX	WIRE STRIP LENGTH	4 TEMP RATING
		ALUMINUM	COPPER	CCA																	
	YA8CA1	#8 AWG	#8 AWG		10	1	.20 [5]	1	.30 [8]	.62 [16]	.53 [13]	.60 [15]		1.50 [38]	.20 [5]	.09 [2]		BLUE	374	3/4"	75°C
	YA8CA3	#8 AWG	#8 AWG		1/4	1	.28 [7]	1	.30 [8]	.62 [16]	.53 [13]	.75 [19]		1.65 [42]	.25 [6]	.09 [2]		BLUE	374	3/4"	75°C
	YA6CA1	#6 AWG	#6 AWG		1/4	1	.28 [7]	1	.34 [9]	.75 [19]	.47 [12]	.75 [19]		1.84 [47]	.33 [8]	.14 [4]		GRAY	346	7/8"	90°C
	YA6CA3	#6 AWG	#6 AWG		3/8	1	.44 [11]	1	.34 [9]	.75 [19]	.65 [17]	1.19 [30]		2.28 [58]	.44 [11]	.09 [2]		GRAY	346	7/8"	90°C
	YA4CA1	#4 AWG	#4 AWG		1/4	1	.28 [7]	1	.43 [11]	.88 [22]	.47 [12]	.75 [19]		2.13 [54]	.33 [8]	.18 [5]		GREEN	375	1"	90°C
	YA4CA3	#4 AWG	#4 AWG		5/16	1	.38 [10]	1	.43 [11]	.88 [22]	.80 [20]	.87 [22]		2.25 [57]	.41 [10]	.12 [3]		GREEN	375	1"	90°C
	YA4CA6	#4 AWG	#4 AWG		3/8	1	.44 [11]	1	.43 [11]	.88 [22]	.80 [20]	.94 [24]		2.32 [59]	.44 [11]	.12 [3]		GREEN	375	1"	90°C
	YA4CA8	#4 AWG	#4 AWG		1/2	2	.56 [14]	2	.43 [11]	.88 [22]	.88 [22]	3.11 [79]	1.75 [44]	4.50 [114]	.63 [16]	.11 [3]		GREEN	375	1"	90°C
	YA2CA1	#2 AWG	#2 AWG		5/16	1	.38 [10]	1	.53 [13]	.53 [13]	.53 [13]	.88 [22]		2.50 [64]	.53 [13]	.53 [13]		PINK	348	1-1/4"	90°C
	YA2CA3	#2 AWG	#2 AWG		3/8	1	.44 [11]	1	.53 [13]	1.12 [28]	.88 [22]	.94 [24]		2.56 [65]	.44 [11]	.16 [4]		PINK	348	1-1/4"	90°C
	YA2CA5	#2 AWG	#2 AWG		1/4	1	.28 [7]	1	.53 [13]	1.00 [25]	.50 [13]	.75 [19]		2.25 [57]	.33 [8]	.22 [6]		PINK	348	1-1/4"	90°C
	YA2CA7	#2 AWG	#2 AWG		1/2	1	.56 [14]	1	.53 [13]	1.12 [28]	.88 [22]	1.69 [43]		2.96 [75]	.63 [16]	.16 [4]		PINK	348	1-1/4"	90°C
	YA2CA9	#2 AWG	#2 AWG		1/2	2	.56 [14]	2	.53 [13]	1.12 [28]	.88 [22]	3.11 [79]	1.75 [44]	4.73 [120]	.63 [16]	.16 [4]		PINK	348	1-1/4"	90°C
	YA1CA1	#1 AWG	#1 AWG		3/8	1	.44 [11]	1	.54 [14]	.91 [23]	.76 [19]	1.19 [30]		2.59 [66]	.44 [11]	.19 [5]		GOLD	471	1-1/16"	90°C
	YA1CA3	#1 AWG	#1 AWG		1/4	1	.28 [7]	1	.54 [14]	.91 [23]	.52 [13]	.75 [19]		2.16 [55]	.33 [8]	.19 [5]		GOLD	471	1-1/16"	90°C
	YA1CA4	#1 AWG	#1 AWG		5/16	1	.38 [10]	1	.54 [14]	.91 [23]	.76 [19]	.81 [21]		2.25 [57]	.41 [10]	.19 [5]		GOLD	471	1-1/16"	90°C
	YA1CA9	#1 AWG	#1 AWG		1/2	2	.56 [14]	2	.54 [14]	.91 [23]	.88 [22]	3.11 [79]	1.75 [44]	4.52 [115]	.63 [16]	.19 [5]		GOLD	471	1-1/16"	90°C
	YA25A1	1/0 AWG	1/0 AWG		5/16	1	.38 [10]	1	.60 [15]	1.00 [25]	.60 [15]	.87 [22]		2.31 [59]	.41 [10]	.21 [5]		TAN	296	1-3/16"	90°C
	YA25A3	1/0 AWG	1/0 AWG		3/8	1	.44 [11]	1	.60 [15]	1.05 [27]	.82 [21]	1.18 [30]		2.67 [68]	.63 [16]	.21 [5]		TAN	296	1-3/16"	90°C
	YA25A5	1/0 AWG	1/0 AWG		3/8	2	.44 [11]	2	.60 [15]	1.05 [27]	.82 [21]	2.24 [57]	1.06 [27]	3.73 [95]	.63 [16]	.21 [5]		TAN	296	1-3/16"	90°C
	YA25A7	1/0 AWG	1/0 AWG		1/2	2	.56 [14]	2	.60 [15]	1.05 [27]	1.03 [26]	3.10 [79]		4.59 [117]	.63 [16]	.17 [4]		TAN	296	1-3/16"	90°C
	YA25A790	1/0 AWG	1/0 AWG		1/2	2	.56 [14]	4	.60 [15]	1.05 [27]	1.03 [26]	3.10 [79]	1.75 [44]	3.44 [87]	.63 [16]	.17 [4]	1.70 [43]	TAN	296	1-3/16"	90°C
	YA25A9	1/0 AWG	1/0 AWG		1/2	1	.56 [14]	1	.60 [15]	1.05 [27]	1.03 [26]	1.34 [34]		2.83 [72]	.63 [16]	.17 [4]		TAN	296	1-3/16"	90°C

NOTES:

1. CONNECTOR: UNINSULATED ALUMINUM COMPRESSION TERMINAL. MADE FROM SEAMLESS ALUMINUM TUBING.
2. CONNECTION: COMPRESSION CONNECTIONS MADE ARE IRREVERSIBLE AND MAINTENANCE FREE.
3. APPLICABLE STANDARDS: PRODUCTS ARE ONLY UL LISTED AND CSA CERTIFIED WHEN INSTALLED USING THE BURNDY ENGINEERED SYSTEM: TOOLS, DIES (IF APPLICABLE), AND CONNECTORS. THE USE OF OTHER INDUSTRY TOOLING AND OR DIES ON BURNDY CONNECTORS WILL VOID THE UL LISTING AND CSA CERTIFICATIONS.

A. UL LISTING TO UL486A-486B-WIRE CONNECTORS

B. CSA C22.2
- 4>TEMPERATURE AND VOLTAGE RATING:

A. UL LISTED 90°C OR 75°C, UP TO 35kV *SEE CONNECTOR FINISHES FOR ADDITIONAL SERVICE TEMPERATURE RATINGS.

B. ALUMINUM CONNECTORS MARKED AL9CU ACCOMMODATE ALUMINUM (AL) AND COPPER (CU) CODE WIRE UP TO 90°C.

C. ALUMINUM CONNECTORS MARKED AL7CU ACCOMMODATE ALUMINUM (AL) AND COPPER (CU) CODE WIRE UP TO 75°C.
- 5>WIRE ACCOMMODATE TYPES (SEE TABLE): DUAL RATED TO ACCOMMODATE ALUMINUM AND COPPER WIRE.

A. CODE ALUMINUM WIRE (CU): CLASS B (CONCENTRIC, COMPRESS, COMPACT) STRANDING.

B. CODE COPPER WIRE (AL): CLASS B (CONCENTRIC, COMPRESS, COMPACT) OR CLASS C STRANDING.

C. COPPER CLAD ALUMINUM (CCA) STRANDING: SEE TABLE FOR SELECT TERMINALS AND APPLICABLE CCA WIRE SIZES.
- 6>CONNECTOR FINISHES AND SUFFIX: SEE SECTION C OF THE BURNDY MASTER CATALOG FOR PLATING SERVICE TEMPERATURE RATINGS.

A. ELECTRO-TIN PLATED: CONNECTORS HAVING NO SUFFIX ARE TIN PLATED UNLESS OTHERWISE SPECIFIES. CATALOG NUMBER EXAMPLE: YA34A3.

B. NICKEL PLATED: APPLY SUFFIX "NK" TO A CATALOG NUMBER IN THE TABLE, IF NOT SPECIFIED. CATALOG NUMBER EXAMPLE: YA34A3NK.

C. SILVER PLATED: APPLY SUFFIX "SV" TO A CATALOG NUMBER IN THE TABLE, IF NOT SPECIFIED. CATALOG NUMBER EXAMPLE: YA34A3SV.

D. TIN ZINC : APPLY SUFFIX "TZ" TO A CATALOG NUMBER IN THE TABLE, IF NOT SPECIFIED. CATALOG NUMBER EXAMPLE: YA34A3TZ.

E. BARE CONNECTORS: APPLYING SUFFIX "BR" TO A CATALOG NUMBER IN THE TABLE, IF NOT SPECIFIED. CATALOG NUMBER EXAMPLE: YA343BR.
7. FEATURES:

A. BARREL TYPICAL ROLL MARKINGS (AS SPACE PERMITS): CRIMP ZONE IS INDICATED BY KNURL BANDS, BURNDY CORPORATE NAME OR LOGO, UL LOGO (IF APPLICABLE), CSA LOGO (IF APPLICABLE), WIRE SIZE, DIE COLOR CODE (IF SPACE PERMITS), DIE INDEX NUMBER.

B. BARREL DESIGN: BARREL END AT THE WIRE HAS AN INTERNAL CHAMFER, ALLOWING FOR A SMOOTH WIRE INSERTION.

C. TERMINALS ARE PRE-FILLED WITH PENETROX™ A13, WHICH IS AN OXIDE INHIBITOR.

D. EACH TERMINAL HAS A COLOR-CODED END CAP TO MATCH THE DIE COLOR CODE. THIS ALSO PREVENTS PARTICLES FROM ENTERING THE BARREL.

E. PAD/TONGUE/TANG/SPADE DESIGN: ONE-HOLE, TWO-HOLE, AND FOUR HOLE DESIGNS. CONTACT CUSTOMER SERVICE FOR ALTERNATE PAD CONFIGURATIONS.

F. FIELD BENDING STRAIGHT LUGS TO ACHIEVE AN ANGULAR CONNECTION WILL VOID ALL APPLICABLE STANDARDS LISTED IN NOTE 2.

G. CATALOG NUMBER SUFFIX DT OR DTS: INDICATES THAT THE TRANSITION IN THE TERMINAL BETWEEN THE PAD AND BARREL ARE SOLDER OR BRAZE SEALED TO BE OIL TIGHT INSIDE THE BARREL. THIS PREVENTS ANY LIQUIDS FROM EXITING OR ENTERING THE BARREL THROUGH THE PAD.

H. IF NOT LISTED IN THE TABLE, PLEASE CONTACT CUSTOMER SERVICE FOR 45°, 90°, AND OR OTHER ANGULAR LUGS FOR PRODUCT AVAILABILITY. CATALOG NUMBER SUFFIX 45 INDICATES THAT THE TERMINAL IS BENT AT A 45 DEGREE ANGLE. CATALOG NUMBER SUFFIX 90 INDICATES THAT THE TERMINAL IS BENT AT A 90 DEGREE ANGLE.
8. INSTALLATION TOOLING AND DIES ARE CONSTANTLY BEING UPDATED. PLEASE SEE BURNDY MASTER CATALOG FOR THIS PRODUCT FAMILY, WHICH CAN BE FOUND ON THE BURNDY WEBSITE.
9. SPECIAL REQUIREMENTS:

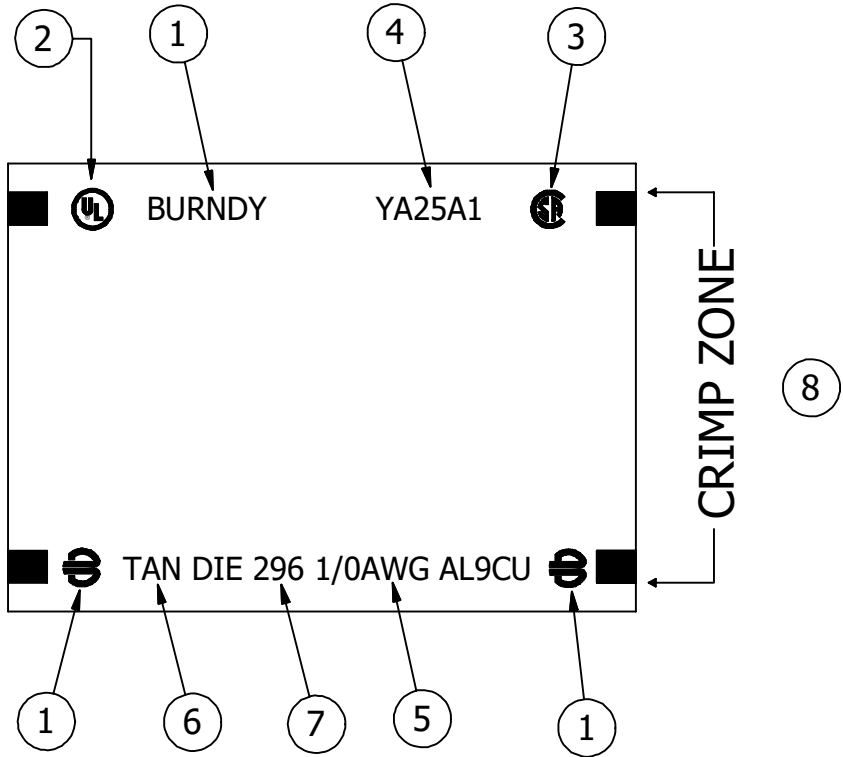
A. YA39A- CONNECTORS: 900 KCMIL CLASS B COMPACT WIRE REQUIRES THE USE OF THE 644 SERIES OR 444 SERIES DIE-LESS INSTALLATION TOOLS AND 2 CRIMPS.

B. YA42A- CONNECTORS: 600 KCMIL CU REQUIRES THE USE OF THE 644 SERIES OR 444 SERIES DIE-LESS INSTALLATION TOOLS.

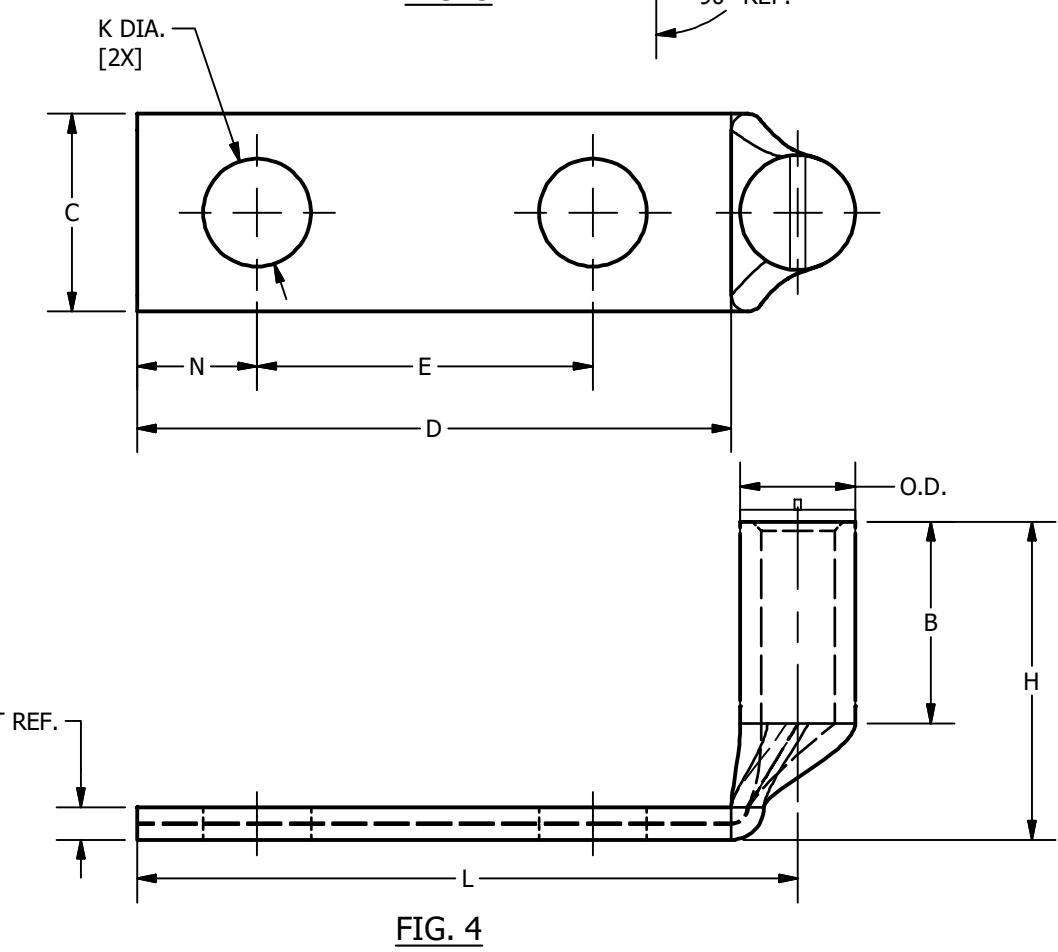
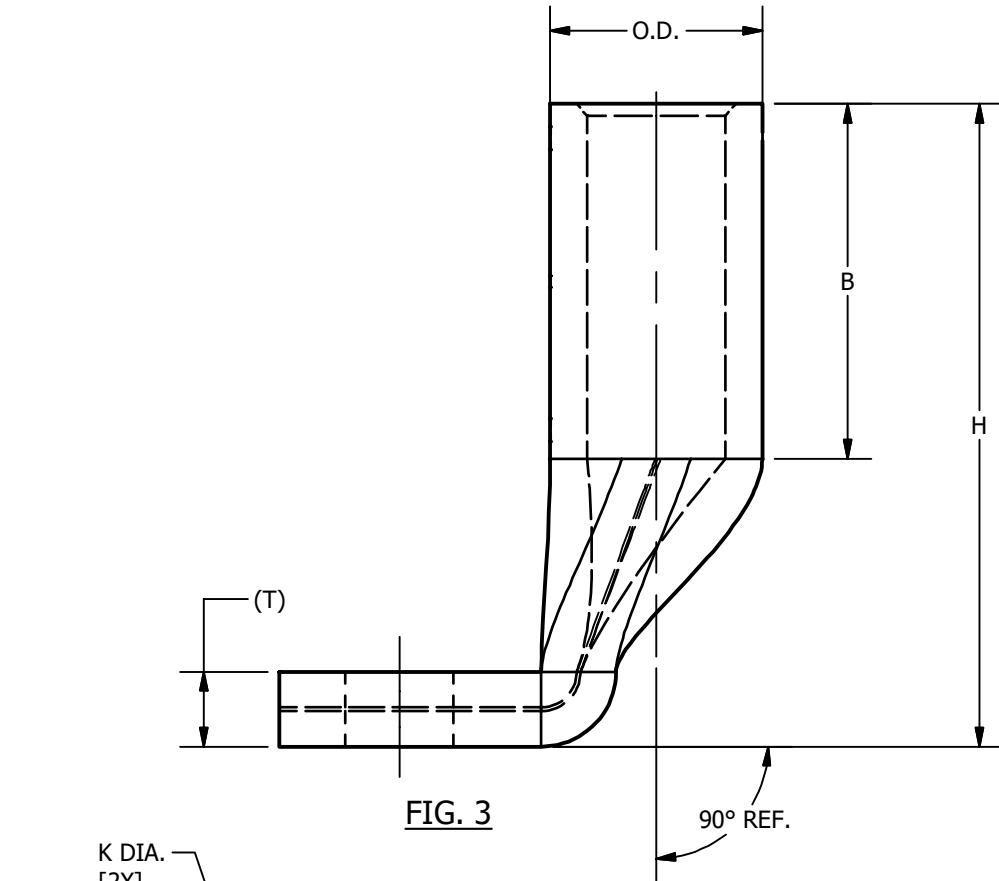
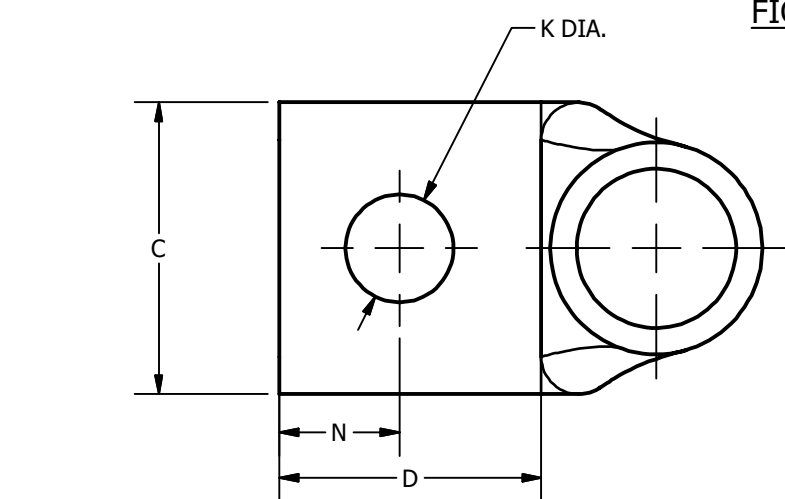
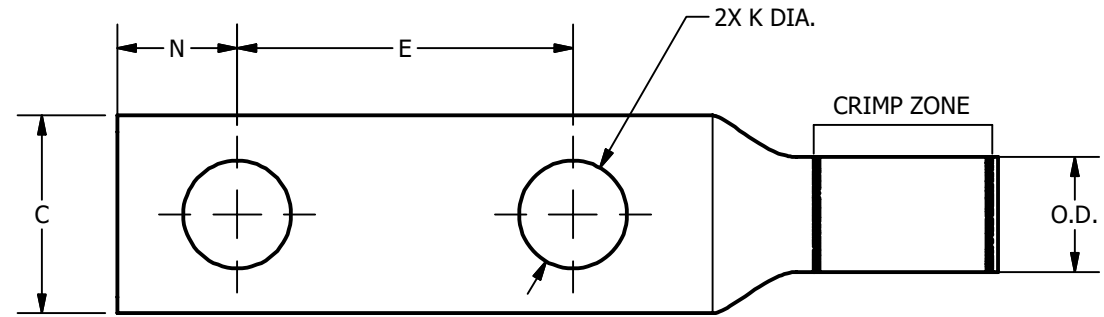
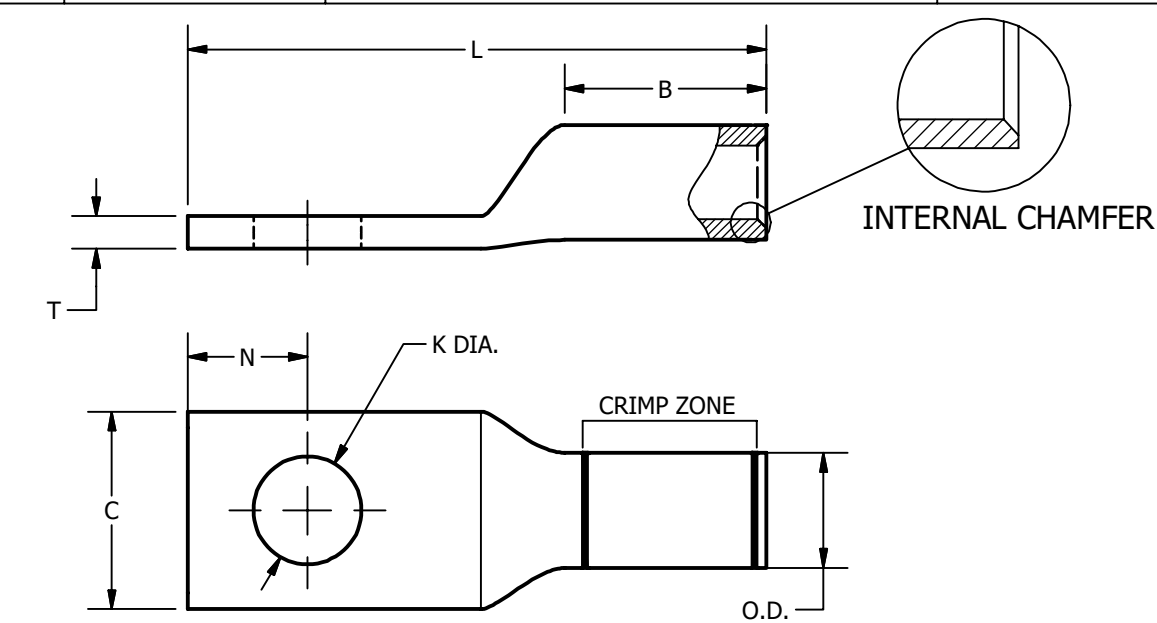
C. YA44-A- CONNECTORS ACCOMMODATE 1100 KCMIL WIRE CLASS A AND CLASS B COMPACT, BUT IS NOT UL LISTED OR CSA CERTIFIED.
10. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS ROUNDED OFF TO THE NEAREST MILLIMETER, UNLESS OTHERWISE SPECIFIED AND ARE FOR REFERENCE ONLY.
- 11>CATALOG NUMBER SCHEME: EX: YA34A3.

A. Y = COMPRESSION, A = TERMINAL, 34 = WIRE SIZE (500 KCMIL), A = ALUMINUM CONNECTOR, 3 = HOLE SIZE AND PATTERN.

- TYPICAL MARKINGS:
1. BURNDY COMPANY IDENTIFIER
2. UL LOGO, IF APPLICABLE
3. CSA LOGO, IF APPLICABLE
4. BURNDY CATALOG NUMBER
5. WIRE ACCOMMODATES
6. COLOR CODE IDENTIFIER
7. DIE INDEX NUMBER
8. CRIMP ZONE BANDS (KNURL MARKS)



REV	DATE	DESCRIPTION	ECO	BY	CHK
BI	05/04/2023	UPDATED DRAWING AS PER FPN1801063	230417029565	RA	YR



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	CAT. NO: SEE TABLE				
	DRAWN BY: E.S.K		7/19/1972		
	CHECKER: S.F.P		8/1/1972		
	DSN APRVL: R.B.		8/2/1972		
	MFG APRVL:				
	QA APRVL: D.VARIO		6/19/1995		
	MKT APRVL:				
	PROD FAM: CM&R COMPRESSION		DRAWING NO		REV
PROJECT #: --		SIZE		SD..073935-01 SHEET 1 OF 10	BI
DOCUMENT TYPE: SALES		D			
REL LEVEL: Released					