Compression Connections

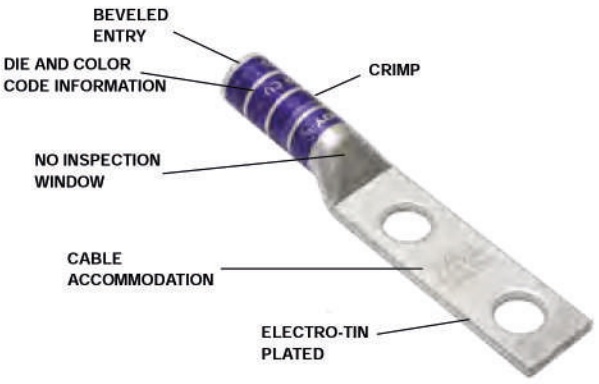
Copper Compression — Terminal — Code — Two Hole
Long Barrel — No Inspection Window

TYPES YA-2N, YA-2TC, YA-4N

HYLUG™

Uninsulated Copper Compression Terminal
UL Listed 90° C, Up to 35 kV ♦

45° and 90° angles available. Please contact Customer Service to order: 1-800-346-4175



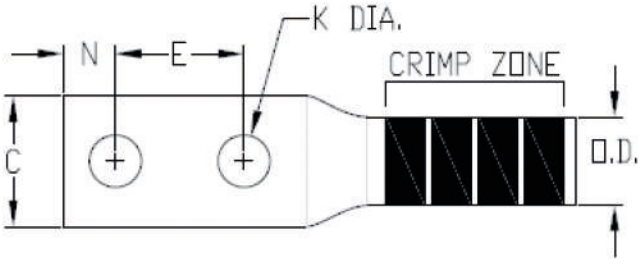
Features & Benefits

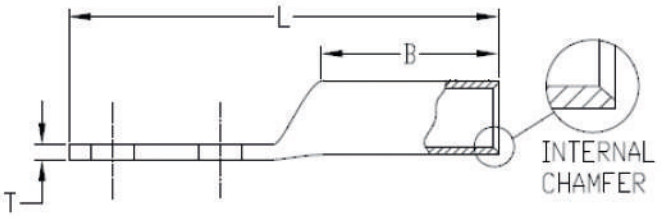
- No inspection window is ideal for more corrosive environments as the barrel transition is not open
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damaging of the strands
- Long barrel allows for an increased number of crimps which will increase the mechanical strength of the connection
- Two hole tongue/tang is recommended when space permits as the 2-hole feature minimizes the terminations from loosening or rotating under vibration, movement, or heat cycling
- 45° and 90° angular lugs are available; please contact Customer Service
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with stamping and barrel color coding
- BURNDY certifies its products using the BURNDY Engineered System and select other crimp tool manufacturers in accordance with one or more of the UL categories in order to obtain a UL Listing
- Terminals and splices accommodating code wire: Accommodates Code Class B (Concentric, Compressed, Compact) and Class C wire

Accessories

- Hardware - Section F
- PENETROX™ Oxide Inhibitor - Section F
- Heat and Cold Shrink Tubing - Section D
- WIREMIKE™ Wire Micrometer - Section F
- Wire Management (Cable Ties) - Section G

NOTE: Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

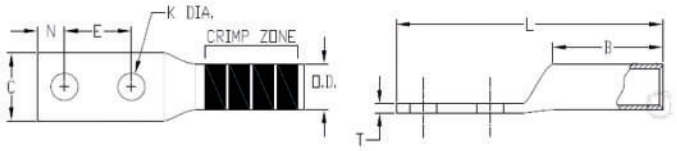




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TYPES YA-2N, YA-2TC, YA-4N (Continued)





▲ See **Copper Code Long Barrel Terminal Tooling Tables** in this section for complete tool and die listing information.

Catalog Number	Conductor			Color Code	Die Index	Stud Size	Figure Dimensions								Wire Strip Length
	Code	Flex	Metric MM² ***				Stud Hole Diameter (K)	Outside Diameter (OD)	Barrel Length (B)	Pad Width (C)	Overall Length (L)	Hole Spacing (E) & (F)	Hole Offset (N)	Pad Thickness (T)	
YA8C2TC14	8 AWG	#8 G,H,I,K,M DLO	10	Red	49	1/4	0.27	0.27	0.81	0.44	2.33	5/8"	0.31	0.08	7/8
YA8C2TC14E2						1/4	0.27	0.27	0.81	0.44	2.45	3/4"	0.31	0.08	
YA8C2TC38						3/8	0.41	0.27	0.81	0.58	2.89	1"	0.41	0.06	
YA8C2N						1/2	0.56	0.27	0.81	0.83	4.08	1-3/4"	0.63	0.12	
YA6C2TC14	6 AWG 6 SOL	—	—	Blue	7 or 374	1/4	0.27	0.29	1.12	0.45	2.65	5/8"	0.31	0.08	1-3/16
YA6C2TC14E2						1/4	0.27	0.29	1.12	0.45	2.78	3/4"	0.31	0.08	
YA6C2TC14E1						1/4	0.27	0.29	1.12	0.45	3.03	1"	0.31	0.08	
YA6C2TC38E2						3/8	0.41	0.29	1.12	0.58	2.97	3/4"	0.41	0.06	
YA6C2TC38E6						3/8	0.41	0.29	1.12	0.58	3.09	7/8"	0.41	0.06	
YA6C2TC38						3/8	0.41	0.29	1.12	0.58	3.22	1"	0.41	0.06	
YA6C2N						1/2	0.56	0.29	1.12	0.83	4.40	1-3/4"	0.63	0.12	
YA5C2N	5 AWG	—	—	Blue	7 or 374	1/2	0.56	0.30	1.12	0.83	4.43	1-3/4"	0.63	0.12	1-3/16
YA4C2TC14	4 AWG	—	—	Gray	8 or 346	1/4	0.27	0.34	1.12	0.50	2.70	5/8"	0.31	0.09	1-3/16
YA4C2TC14E2						1/4	0.27	0.34	1.12	0.50	2.83	3/4"	0.31	0.09	
YA4C2TC38						3/8	0.41	0.34	1.12	0.58	3.26	1"	0.41	0.08	
YA4C2N						1/2	0.56	0.34	1.12	0.83	4.45	1-3/4"	0.63	0.12	
YA3C2TC14	3 AWG 2 SOL	—	25	White	9	1/4	0.27	0.38	1.25	0.55	2.87	5/8"	0.31	0.09	1-5/16
YA3C2TC14E2						1/4	0.27	0.38	1.25	0.55	2.99	3/4"	0.31	0.09	
YA3C2TC38E2						3/8	0.40	0.38	1.25	0.58	3.18	3/4"	0.41	0.08	
YA3C2TC38						3/8	0.40	0.38	1.25	0.58	3.43	1"	0.41	0.08	
YA3C2N						1/2	0.56	0.38	1.25	0.83	4.62	1-3/4"	0.63	0.12	
YA2C2TC14	2 AWG	—	35	Brown	10	1/4	0.27	0.42	1.25	0.60	2.86	5/8"	0.31	0.11	1-5/16
YA2C2TC14E2						1/4	0.27	0.42	1.25	0.60	2.98	3/4"	0.31	0.11	
YA2C2TC516E2						5/16	0.33	0.42	1.25	0.60	3.05	3/4"	0.34	0.11	
YA2C2TC38E2						3/8	0.40	0.42	1.25	0.60	3.17	3/4"	0.41	0.11	
YA2C2TC38E6						3/8	0.40	0.42	1.25	0.60	3.30	7/8"	0.41	0.11	
YA2C2TC38						3/8	0.40	0.42	1.25	0.60	3.42	1"	0.41	0.11	
YA2C2NTC38						3/8	0.40	0.42	1.25	0.60	4.17	1-3/4"	0.41	0.11	
YA2C2N						1/2	0.56	0.42	1.25	0.83	4.64	1-3/4"	0.63	0.12	

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor
♦ For applications greater than 2000 volts consult cable manufacturer for voltage stress relief instructions
Available undrilled. Add suffix U to catalog number (example: YA25U)
Notes: All dimensions shown are for reference only.
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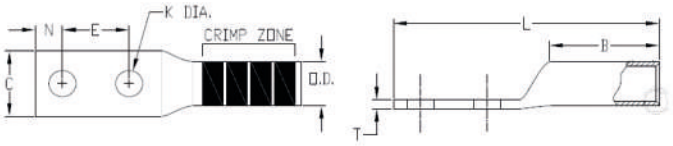
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Compression Connections

Copper Compression — Terminal — Code — Two Hole
Long Barrel — No Inspection Window

TYPES YA-2N, YA-2TC, YA-4N (Continued)





▲ See **Copper Code Long Barrel Terminal Tooling Tables** in this section for complete tool and die listing information.

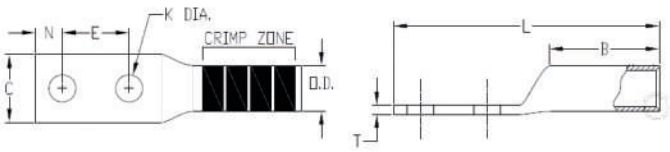
Catalog Number	Conductor			Color Code	Die Index	Stud Size	Figure Dimensions								Wire Strip Length
	Code	Flex	Metric MM² ***				Stud Hole Diameter (K)	Outside Diameter (OD)	Barrel Length (B)	Pad Width (C)	Overall Length (L)	Hole Spacing (E) & (F)	Hole Offset (N)	Pad Thickness (T)	
YA1C2TC14	#1 AWG	—	50	Green	11 or 375	1/4	0.27	0.46	1.38	0.67	3.03	5/8"	0.31	0.10	1-7/16
YA1C2TC14E2						1/4	0.27	0.46	1.38	0.67	3.15	3/4"	0.31	0.10	
YA1C2TC38						3/8	0.40	0.46	1.38	0.67	3.59	1"	0.41	0.10	
YA1C2N						1/2	0.56	0.46	1.38	0.83	4.82	1-3/4"	0.63	0.12	
YA252TC14	1/0 AWG	—	—	Pink	12	1/4	0.27	0.51	1.38	0.75	3.05	5/8"	0.12	0.12	1-7/16
YA252TC14E2						1/4	0.27	0.51	1.38	0.75	3.18	3/4"	0.12	0.12	
YA252TC516						5/16	0.33	0.51	1.38	0.75	3.49	1"	0.12	0.12	
YA252TC38						3/8	0.40	0.51	1.38	0.75	3.62	1"	0.12	0.12	
YA252NTC38						3/8	0.40	0.51	1.38	0.75	4.37	1-3/4"	0.12	0.12	
YA252N						1/2	0.56	0.51	1.38	0.83	4.81	1-3/4"	0.11	0.11	
YA262TC14	2/0 AWG	—	70	Black	13	1/4	0.27	0.56	1.50	0.83	3.22	5/8"	0.12	0.12	1-9/16
YA262TC14E2						1/4	0.27	0.56	1.50	0.83	3.34	3/4"	0.12	0.12	
YA262TC38						3/8	0.40	0.56	1.50	0.83	3.78	1"	0.12	0.12	
YA262N						1/2	0.56	0.56	1.50	0.83	4.97	1-3/4"	0.12	0.12	
YA272TC14E2	3/0 AWG	—	—	Orange	14	1/4	0.27	0.62	1.50	0.90	3.38	3/4"	0.12	0.12	1-9/16
YA272TC38						3/8	0.40	0.62	1.50	0.90	3.82	1"	0.12	0.12	
YA272N						1/2	0.56	0.62	1.50	0.91	5.01	1-3/4"	0.13	0.13	
YA282TC14E2	4/0 AWG	—	—	Purple	15	1/4	0.27	0.69	1.62	1.02	3.55	3/4"	0.14	0.14	1-11/16
YA282TC38						3/8	0.40	0.69	1.62	1.02	3.99	1"	0.14	0.14	
YA282NTC38						3/8	0.40	0.69	1.62	1.02	4.74	1-3/4"	0.14	0.14	
YA282N						1/2	0.56	0.69	1.62	1.02	5.17	1-3/4"	0.14	0.14	
YA292TC38	250 kcmil	—	—	Yellow	16	3/8	0.40	0.75	1.62	1.10	4.02	1"	0.16	0.16	1-11/16
YA292N						1/2	0.56	0.75	1.62	1.11	5.21	1-3/4"	0.16	0.16	
YA292TC58E16						5/8	0.69	0.75	1.62	1.11	5.27	1-3/4"	0.16	0.16	
YA302TC38	300 kcmil	—	150	White	17 or 298	3/8	0.40	0.81	2.00	1.20	4.45	1"	0.16	0.16	2-1/16
YA302N						1/2	0.56	0.81	2.00	1.20	5.64	1-3/4"	0.16	0.16	
YA312TC14E2	350 kcmil	—	185	Red	18 or 324	1/4	0.27	0.88	2.00	1.29	4.05	3/4"	0.18	0.18	2-1/16
YA312TC38						3/8	0.40	0.88	2.00	1.29	4.49	1"	0.18	0.18	
YA312N						1/2	0.56	0.88	2.00	1.29	5.69	1-3/4"	0.18	0.18	
YA322TC38	400 kcmil	—	—	Blue	19 or 470	3/8	0.40	0.95	2.12	1.40	4.66	1"	0.19	0.19	2-3/16
YA322N						1/2	0.56	0.95	2.12	1.40	5.85	1-3/4"	0.19	0.19	
YA332N	450 kcmil	—	—	Gray	326 or 538	1/2	0.56	1.01	2.13	1.48	5.93	1-3/4"	0.21	0.21	2-3/16

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor
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Available undrilled. Add suffix U to catalog number (example: YA25U)
Notes: All dimensions shown are for reference only.
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TYPES YA-2N, YA-2TC, YA-4N (Continued)





▲ See **Copper Code Long Barrel Terminal Tooling Tables** in this section for complete tool and die listing information.

Catalog Number	Conductor			Color Code	Die Index	Stud Size	Figure Dimensions								Wire Strip Length
	Code	Flex	Metric MM² ***				Stud Hole Diameter (K)	Outside Diameter (OD)	Barrel Length (B)	Pad Width (C)	Overall Length (L)	Hole Spacing (E) & (F)	Hole Offset (N)	Pad Thickness (T)	
YA342TC14E2	500 kcmil	—	240	Brown	20 or 299	1/4	0.27	1.06	2.25	1.55	4.46	3/4"	0.23	0.23	2-5/16
YA342TC38						3/8	0.40	1.06	2.25	1.55	4.90	1"	0.23	0.23	
YA342N						1/2	0.56	1.06	2.25	1.55	6.06	1-3/4"	0.23	0.23	
YA352N	550 kcmil	—	—	Yellow	21	1/2	0.56	1.13	2.63	1.65	6.49	1-3/4"	0.25	0.25	2-11/16
YA362TC38	600 kcmil	—	300	Green	22 or 472	3/8	0.40	1.19	2.69	1.74	5.59	1"	0.26	0.26	2-3/4
YA362N						1/2	0.56	1.19	2.69	1.74	6.59	1-3/4"	0.27	0.27	
YA372N	650 kcmil	—	—	Orange	23	1/2	0.56	1.23	2.81	1.80	6.74	1-3/4"	0.63	0.27	2-7/8
YA382TC38	700 kcmil	—	—	Pink	400	3/8	0.40	1.25	2.81	1.84	5.76	1"	0.50	0.27	2-7/8
YA382N						1/2	0.56	1.25	2.81	1.84	6.77	1-3/4"	0.63	0.27	
YA392NT38	750 kcmil	—	—	Black	24	3/8	0.40	1.30	2.88	1.91	5.87	1	0.50	0.27	2-15/16
YA392TC38						3/8	0.40	1.30	2.88	1.63	5.87	1"	0.50	0.27	
YA392N						1/2	0.40	1.30	2.88	1.91	6.87	1-3/4"	0.63	0.27	
YA392ENNT						1/2	0.56	1.30	2.88	1.30	6.87	1-3/4	0.63	0.27	
YA402N	800 kcmil	—	400	Orange	25	1/2	0.56	1.35	2.94	1.98	6.95	1-3/4"	0.63	0.30	3
YA412N	850 kcmil	—	—	Gold	26	1/2	0.56	1.38	2.94	2.01	6.96	1-3/4"	0.63	0.31	3
YA442TC38	1000 kcmil	—	500	White	27	3/8	0.40	1.50	3.00	2.19	6.14	1"	0.63	0.33	3-1/16
YA442N				White	27	1/2	0.56	1.50	3.00	2.19	7.14	1-3/4"	0.63	0.32	3-1/16
YA452N	1250 kcmil	—	—	Yellow	29	1/2	0.56	1.69	3.19	2.46	7.44	1-3/4"	0.63	0.38	3-1/4
YA4532N	1300 kcmil	—	—	Orange	30	1/2	0.56	1.74	3.19	2.53	7.48	1-3/4"	0.63	0.39	3-1/4
YA462N	1500 kcmil	—	—	Green	31	1/2	0.56	1.84	3.19	2.69	7.55	1-3/4"	0.63	0.40	3-1/4
YA472N	1750 kcmil	—	—	Gray	33	1/2	0.56	1.98	3.44	2.90	7.89	1-3/4"	0.63	0.42	3-1/2
YA482N	2000 kcmil	—	1000	Brown	34	1/2	0.56	2.13	3.44	3.10	7.98	1-3/4"	0.63	0.46	3-1/2

*** The MM² conductor sizes listed are the recommendations for Class 2 conductor

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