

12-TON U DIES*

***Fits 35, 39, 750 Series,
46 Series (with PUADP-1 Adapter)

***Installation tools may have "Y" or "PAT" prefix depending on type of tool platform; See Tooling Section for more information.



U die case Part# PT29291, holds up to 15 dies

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Wire Size	Wire Material		
	Copper	Copper Wide Die**	Aluminum
#8 AWG	U8CRT	U8CRTW	U8CABT
#6 AWG	U5CRT	U5CRTW	U6CABT
#4 AWG	U4CRT	U4CRTW	U4CABT
#3 AWG	U3CRT	U3CRTW	N/A
#2 AWG	U2CRT	U2CRTW	U2CABT
#1 AWG	U1CRT1	U1CRT1W	U1CART
1/0 AWG	U25RT	U25RTW	U25ART
2/0 AWG	U26RT	U26RTW	U26ART
3/0 AWG	U27RT	U27RTW	U27ART
4/0 AWG	U28RT	U28RTW	U28ART
250 kcmil	U29RT	N/A	U29ART

Wire Size	Wire Material		
	Copper	Copper Wide Die**	Aluminum
300 kcmil	U30RT	N/A	U30ART
350 kcmil	U31RT		U31ART
400 kcmil	U32RT		U32ART
500 kcmil	U34RT		U34ART
535 Flex	U38XRT		N/A
600 kcmil	U36RT		U36ART
750 kcmil	U39RT		U39ART2
777 Flex	U44XRT		N/A

* Non-tension U-type 12 ton dies for YA, YS, YA-A, YS-A style connectors

** Wide dies are intended for use on long barrel terminals and splices (YA/YS) only.

Die Sets sold separately; U Die Kits also available. Note: N/A = not applicable

W DIES

***Fits Tools MD6, MD7, Y500CTHS,
500SJ, 600, and CSMD Series

***Installation tools may have "Y" or "PAT" prefix depending on type of tool platform; See Tooling Section for more information.

Wire Size	Wire Material		
	Copper (-VT)	Copper (-RT)	Aluminum
#8 AWG	W8CVT	W8CRT	X8CART
#6 AWG	W5CVT	W5CRT	W161
#4 AWG	W4CVT	W4CRT	W162
#3 AWG	W3CRT	W3CRT	N/A
#2 AWG	W2CVT	W2CRT	W239
#1 AWG	W1CVT	W1CRT1	W163
1/0 AWG	W25VT	W25RT	W241
2/0 AWG	W26VT	W26RT	W245
3/0 AWG	W27VT	W27RT	W166
4/0 AWG	W28VT	W28RT	W660
250 kcmil	W29VT*	W29RT*	W249
300 kcmil	W30VT*	W30RT*	N/A
350 kcmil	W31VT*	W31RT*	W31ART*
400 kcmil	W32VT*	W32RT*	N/A
450 kcmil	W33VT*	W33RT*	N/A
500 kcmil	W34VT*	W34RT*	N/A
600 kcmil	N/A	W36RT**	N/A



W die case Part#
CASEWDIES, holds up
to 24 dies

* These sizes (250 - 500) for Y500CTHS, MD734, and MD734R only.

** For 600, 500SJ series and Y500CTHS only.

Note: N/A = not applicable

Suitable for use on YA, YS, YA-A, YS-A type non-tension connectors.

Die Sets sold separately; W Die Kits also available

VT = "V" profile die for reduced handle force when using MD6/MD7 series tools; Twin die (includes both halves)

RT = Round die (circumferential); Twin die (includes both halves)

Compression Connections

BURNDY®

Die Index Chart

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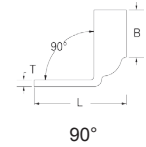
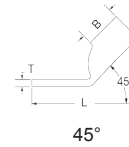
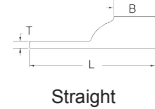
Installation Tooling System														
Conductor		Lugs & Splices One & Two Hole			T&B Index*	Taps Thin-Wall C-taps Run=Tap, AWG only			Taps Heavy Duty C-Taps Run=Tap			Taps H-Taps Run=Tap		
AWG	Flex	Die	Color	Index	Code (Flex)	Die	Color	Index	Die	Color	Index	Die	Color	Index
#8/#6 sol	#8	W8CVT U8CRT	RED	49	21	W4CVT	GRAY	8	U240	RED	240	U11T-1	GREEN	11
#6	#6	W5CVT U5CRT	BLUE	7	24	W2CVT	BROWN	10	UC	BROWN	C	UB- GRT	ORANGE	BG
#4	#4	W4CVT U4CRT	GRAY	8	29	W25VT	PINK	12	UC	BROWN	C	UC	BROWN	C
#3/#2 sol		W3CRT U3CRT	WHITE	9	29	W26VT	BLACK	13	UC	BROWN	C	UC	BROWN	C
#2	#2	W2CVT U2CRT	BROWN	10	33	W27VT	ORANGE	14	UC	BROWN	C	UC	BROWN	C
#1	#1	W1CVT U1CRT-1	GREEN	11	33 (37)	W28VT	PURPLE	15	U997	ORANGE	997	U654	PURPLE	654
1/0	1/0	W25VT U25RT	PINK	12	37 (42)	W29VT	YELLOW	16	U997	ORANGE	997	U654	PURPLE	654
2/0	2/0	W26VT U26RT	BLACK	13	42 (45)		REFER TO CATALOG		U997	ORANGE	997	U654	PURPLE	654
3/0	3/0	W27VT U27RT	ORANGE	14	45 (50)	-	-	-	U997	ORANGE	997	U654	PURPLE	654
4/0	4/0	W28VT U28RT	PURPLE	15	50 (54)	-	-	-	U997	ORANGE	997	U654	PURPLE	654
250	4/0 / 250 class G & H	W29VT U29RT	YELLOW	16	62	-	-	-	U997	ORANGE	997	U654	PURPLE	654
300	262/250 class I, K & M	W30VT U30RT	WHITE	17	62	-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
350	313	W31VT U31RT	RED	18	66	-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
	350 / 373	W32VT U32RT	BLUE	19	(76)	-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
500	444	W34VT U34RT	BROWN	20	76 (87)	-	-	-	U1104	BROWN	1104	U1104	BROWN	1104
	500 / 535	U38XRT	PINK	L99	(99)	-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
600		U36RT	GREEN	22	87	-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
700		U38RT	PINK	400	99	-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
750	646	U39RT	BLACK	24	(106)	-	-	-	P1103	BLUE	1103	PYFR	YELLOW	KR
	750 / 777	U44XRT	YELLOW	L115	(115)									
800		P40RT	ORANGE	25	106	-	-	-	P1102	WHITE	1102	PYFR	YELLOW	KR
1000		P44RT	WHITE	27		-	-	-	P1102	WHITE	1102	PYFR	YELLOW	KR

* Die set with a dash CK are not UL Listed. Please consult factory for further information

Bolt Equivalent	
Unified Inch Hole Size	Metric Equivalent
1/4"	M6
5/16"	M8
3/8"	M10
1/2"	M12

Bolt Equivalent	
Unified Inch Hole Size	Metric Equivalent
1/2" - NEMA (.56)	M14
5/8"	M16
7/8"	M20

ONE HOLE HYLUG™ CODE CONDUCTOR STANDARD BARREL (Continued)



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



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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Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM² ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech.	Hydraulic		Color Code	Die Index	
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46*, PAT750			
YA37L	650 kcmil	—	5/8	1.80	1.39	0.27	3.57	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3)	—	—	U37RT (2)	Orange	23	1-15/16
YA37L1			5/8	1.80	1.39	0.27	3.76		—	—	U38RT (2)	Pink	400	1-15/16
YA38L	700 kcmil	—	5/8	1.84	1.45	0.27	3.66		—	—	U38RT (2)	Pink	400	1-15/16
YA39L6	750 kcmil	—	1/2	1.91	1.42	0.27	3.41		—	—	U39RT (2) P39RT (2)**	Black	24	1-15/16
YA39L			5/8	1.91	1.42	0.27	3.57							
YA39L2			7/8	1.91	1.42	0.27	4.10							
YA39L9			1/4	1.91	1.42	0.27	4.85							
YA40L	800 kcmil	400	5/8	1.98	1.42	0.30	3.81	Y644HSXT (1) Y81KFT (3) Y81KFTMBH (3) PAT81KFT-18V (3) Y644MBH (1) PAT644XT18V (1)	—	—	P40RT (3) **	Orange	25	1-15/16
YA41L	850 kcmil	—	5/8	2.01	1.88	0.31	4.15		—	—	P41D *(1) P44PR**	Gold	26	1-15/16
YA44L2	1000 kcmil	500	1/2	2.19	1.65	0.33	3.98		—	—	P44RT (3)**	White	27	1-15/16
YA44L			5/8	2.19	1.65	0.33	4.04							
YA44L23			1	2.19	1.65	0.33	4.73							
YA45L	1250 kcmil	—	3/4	2.46	2.00	0.38	4.68	—	—	—	P45RT (3)**	Yellow	29	2-1/16
YA453LBOX	1300 kcmil	—	3/4	2.53	2.00	0.39	4.71	—	—	—	-	Orange	30	2-1/16
YA46L	1500 kcmil	—	3/4	2.69	2.00	0.40	4.78	—	—	—	P46RT (3)**	Green	31	2-1/16
YA48L	2000 kcmil	1000	3/4	3.10	2.25	0.46	5.19	—	—	—	-	Brown	34	2-3/8

* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

** P-RT die sets for use in Y46 HYPRESS™ only, PUADP-1 adapter not required

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

▲ See tooling section of this catalog for complete tool and die listings.

◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions.

Note: All dimensions shown are for reference only.

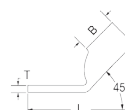
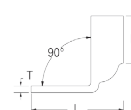
ONE HOLE HYLUG™ CODE CONDUCTOR LONG BARREL

(Continued)

C-22



Straight

 45° 

90°

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



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.

Catalog Number	Conductor		Stud Hole Size	Tongue Width	Figure Dimensions			Installation Tooling						Wire Strip Length
	AWG	MM ² ***			(B)	(T)	(L)	Dieless (# of crimps)	Mech.	Hydraulic		Color Code	Die Index	
									MD6, OUR840, MD7-34R	BCT500HS, Y500CTHS	Y35, Y39, Y750 Y46**, PAT750			
YA33N	450 kcmil	—	1/2	1.48	2.13	0.21	4.17	Y644HSXT (1) Y81KFT (4) Y81KFTMBH (4) PAT81KFT-18V (4)	W33VT (4)	W33VT (4) W33RT (4)	U33RT (4)	Gray	326 or 538	2-5/16
YA33	450 kcmil	—	5/8	1.48	2.13	0.21	4.24		W34VT (4)	W34VT (4) W34RT (4)	U34RT (4) U31ART (2)	Brown	20 or 299	2-5/16
YA34N	500 kcmil	240	1/2	1.55	2.25	0.23	4.32							
YA34			5/8	1.55	2.25	0.23	4.39		—	—	U36RT (4) U32ART (4)	Green	22 or 472	2-3/4
YA35N	550 kcmil	—	1/2	1.65	2.63	0.25	4.73							
YA35			5/8	1.65	2.63	0.25	4.79		—	—	U38RT (4)	Pink	400	2-7/8
YA36N	600 kcmil	300	1/2	1.74	2.69	0.27	4.83							
YA36			5/8	1.74	2.69	0.27	4.90		—	—	P40RT (4)	Orange	25	3
YA37N	650 kcmil	—	1/2	1.80	2.81	0.27	4.98							
YA37			5/8	1.80	2.81	0.27	5.05		—	—	P45RT (6)	Yellow	29	3-1/4
YA38N	700 kcmil	—	1/2	1.84	2.81	0.27	5.01							
YA38			5/8	1.84	2.81	0.27	5.07		—	—	—	Gray	33	3-1/2
YA39N	750 kcmil	—	1/2	1.91	2.88	0.27	5.11							
YA39			5/8	1.91	2.88	0.27	5.17		—	—	—	Brown	34	3-1/2
YA40	800 kcmil	400	5/8	1.98	2.94	0.30	5.25							
YA41N	850 kcmil	—	1/2	2.01	2.94	0.31	5.20		—	—	—	Brown	34	3-1/2
YA41			5/8	2.01	2.94	0.31	5.26							
YA44N	1000 kcmil	500	1/2	2.19	3.00	0.33	5.38		—	—	—	Brown	34	3-1/2
YA44			5/8	2.19	3.00	0.33	5.45							
YA45	1250 kcmil	—	3/4	2.46	3.19	0.38	5.93		—	—	—	Brown	34	3-1/2
YA46N	1500 kcmil	—	1/2	2.69	3.19	0.40	5.79	—						
YA46			3/4	2.69	3.19	0.40	6.04		—	—	—	Brown	34	3-1/2
YA47N	1750 kcmil	—	1/2	2.90	3.44	0.42	6.13	—						
YA47			3/4	2.90	3.44	0.42	6.38		—	—	—	Brown	34	3-1/2
YA48N	2000 kcmil	—	1/2	3.10	3.44	0.46	6.22	—						
YA48			3/4	3.10	3.44	0.46	6.47		—	—	—	Brown	34	3-1/2

* Use PUADP-1 adapter with U dies in Y46 HYPRESS™

** P-RT die sets for use in Y46 HYPRESS™ only,
PUADP-1 adapter not required

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

▲ See tooling section of this catalog for complete tool and die listings. Use ONLY color coded die recommendations for -FX connectors. For nest/indenter system contact factory

- Available undrilled. Add suffix U to catalog number (example: YA25U)
 - ◆ For applications greater than 2000 Volts consult cable manufacturer for voltage stress relief instructions
- Note: All dimensions shown are for reference only