

A

REV.	DATE	DESCRIPTION	BY	C.K.D.
2	1/21/99	ADDED CAT. NO. YA44-TC98-FXB PER 2730.	KRB	JM
1	3/18/97	ADDED CAT. NO. YA38-TC58-FXB PER 2730.	KRB	JLM
0	4/8/95	NEW SHEET ADDED PER 2730	JMA	JLM

BELLE HYLUGS™

CONNECTIONS USA, INC.
 BRANOV ELECTRICAL
 1-800-346-4175

DATE NO. **YA-FXB, YA-TC-FXB (TABLED)** SCALE
 DRAWN BY **JMA** DATE **4/8/95**
 CHECKED BY **JMA** DATE **4/8/95**

DESIGNER **JMA** DATE **2/20/95**
 PROJECT **2730**

REV. **2**

SEE SHEET 1 FOR VIEWS AND NOTES

ACCOMMODATES	STUD SIZE	CATALOG NUMBER	DIMENSIONS											CABLE STRIP LENGTH	INSTALLATION TOOLING		DIE INDEX	COLOR CODE	DIE NUMBER (OF CRIMPS)
			B	C	C TOL.	K DIA	L	N	P	T	Z MIN	BELL	O.D.		MECHANICAL HYTOOL™ (CRIMPS)	HYDRAULIC HYPRESS™			
250 Kcmil FIBER OPTIC CLASS H 427 STR.	1/2	YA30-TC12-FXB	2.16 (55)	1.20 (30)	±.04	.56 (14)	4.04 (103)	.62 (16)	2.70 (69)	.16 (4)	.64 (16)	.95 (24)	.81 (21)	2-1/4 (57)	YG44M (1 CRIMP)	---	16	YELLOW	U39RT (2 CRIMPS)
263 Kcmil (650/24)	1/2	YA31-TC12-FXB	2.18 (55)	1.29 (33)	±.04 (17)	.56 (14)	4.09 (104)	.62 (16)	2.75 (70)	.18 (5)	.64 (16)	1.03 (26)	.88 (22)	2-1/4 (57)	YG44M (1 CRIMP)	---	17	WHITE	U30RT (4 CRIMPS)
250 FLEX CLASS 1, K, M	1/2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
313.1 Kcmil (775/24)	1/2	YA32-TC12-FXB	2.32 (60)	1.40 (36)	±.04 (11)	.56 (14)	4.28 (108)	.62 (16)	2.94 (75)	.19 (5)	.64 (16)	1.12 (28)	.95 (24)	2-1/4 (57)	YG44M (1 CRIMP)	---	18	RED	U31RT (4 CRIMPS)
313.1 Kcmil (775/24)	5/8	YA32-TC58-FXB	2.32 (60)	1.40 (36)	±.04 (11)	.56 (14)	4.34 (110)	.66 (17)	2.94 (75)	.19 (5)	.67 (17)	1.12 (28)	.95 (24)	2-1/4 (57)	YG44M (1 CRIMP)	---	18	RED	U31RT (4 CRIMPS)
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373.7 Kcmil (925/24)	1/2	YA34-TC12-FXB	2.48 (63)	1.55 (39)	±.04 (17)	.56 (14)	4.54 (115)	.62 (16)	3.17 (81)	.23 (6)	.64 (16)	1.24 (31)	1.06 (27)	2-9/16 (65)	YG44M (1 CRIMP)	---	19	BLUE	U32RT (4 CRIMPS)
373.7 Kcmil (925/24)	5/8	YA34-TC58-FXB	2.48 (63)	1.55 (39)	±.04 (17)	.56 (14)	4.60 (117)	.66 (17)	3.17 (81)	.23 (6)	.67 (17)	1.24 (31)	1.06 (27)	2-9/16 (65)	YG44M (1 CRIMP)	---	19	BLUE	U32RT (4 CRIMPS)
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444.4 Kcmil (1100/24)	1/2	YA36-TC12-FXB	2.95 (75)	1.74 (44)	±.06 (21)	.56 (14)	5.09 (129)	.62 (16)	3.72 (94)	.26 (7)	.64 (16)	1.40 (36)	1.19 (30)	3-1/16 (78)	YG44M (1 CRIMP)	---	20	BROWN	U34RT (4 CRIMPS)
444.4 Kcmil (1100/24)	5/8	YA36-TC58-FXB	2.95 (75)	1.74 (44)	±.06 (21)	.56 (14)	5.15 (131)	.66 (17)	3.72 (94)	.26 (7)	.67 (17)	1.40 (36)	1.19 (30)	3-1/16 (78)	YG44M (1 CRIMP)	---	20	BROWN	U34RT (4 CRIMPS)
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535.3 Kcmil (1325/24)	1/2	YA38-N-FXB	3.08 (78)	1.84 (47)	±.06 (21)	.56 (14)	5.35 (136)	.62 (16)	3.89 (97)	.27 (7)	.64 (16)	1.47 (37)	1.35 (32)	3-3/16 (81)	YG44M (1 CRIMP)	---	199	PINK	U38RT (4 CRIMPS)
535.3 Kcmil (1325/24)	5/8	YA38-TC58-FXB	3.08 (78)	1.84 (47)	±.06 (21)	.56 (14)	5.32 (135)	.66 (17)	3.89 (97)	.27 (7)	.67 (17)	1.47 (37)	1.25 (32)	3-3/16 (81)	YG44M (1 CRIMP)	---	199	PINK	U38RT (4 CRIMPS)
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646 Kcmil (1600/24)	5/8	YA40-TC58-FXB	3.24 (82)	1.98 (50)	±.06 (21)	.56 (14)	5.53 (140)	.66 (17)	4.10 (104)	.30 (8)	.67 (17)	1.58 (40)	1.35 (34)	3-5/16 (84)	YG44M (1 CRIMP)	---	24	BLACK	U39RT (4 CRIMPS)
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777.7 Kcmil (1925/24)	5/8	YA44-TC58-FXB	3.33 (85)	2.19 (56)	±.06 (21)	.56 (14)	5.71 (145)	.66 (17)	4.29 (109)	.33 (8)	.67 (17)	1.50 (38)	1.50 (38)	3-7/16 (87)	YG44M (1 CRIMP)	---	---	---	---
777.7 Kcmil (1925/24)	7/8	YA44-TC78-FXB	3.33 (85)	2.19 (56)	±.06 (21)	.56 (14)	5.61 (144)	.88 (22)	4.29 (109)	.33 (8)	.89 (23)	1.50 (38)	1.50 (38)	3-7/16 (87)	YG44M (1 CRIMP)	---	---	---	---
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1111 Kcmil (2750/24)	5/8	YA46-TC58-FXB	3.58 (91)	2.69 (68)	±.06 (21)	.56 (14)	6.19 (157)	.66 (17)	4.76 (121)	.39 (10)	.67 (17)	2.16 (55)	1.84 (47)	3-11/16 (94)	YG44M (1 CRIMP)	---	29	---	U39RT (4 CRIMPS)

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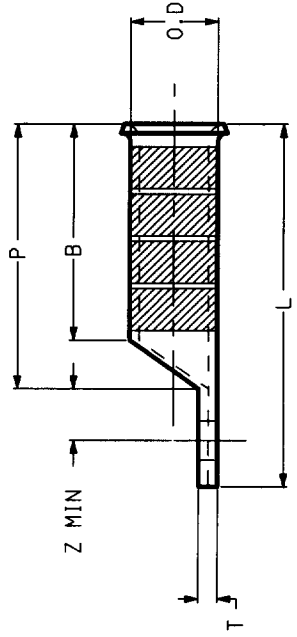
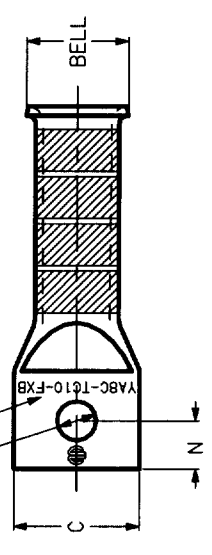
B

C

D

CATALOG NUMBER	ACCOMMODATES		STUD SIZE	DIMENSIONS											CABLE STRIP LENGTH	DIELESS TOOLS			INSTALLATION TOOLING		
	FLEXIBLE CABLE CODE AWG	NAVY		B	C	C TOL.	K DIA	L	N	P	T	Z MIN	BELL	O.D.		MECHANICAL HYTOOL™ (CRIMPS)	HYDRAULIC HYPRESS™	DIE INDEX	COLOR CODE	DIE NUMBER (# OF CRIMPS)	
YABC-TC10-FXB	#8 STR. (37/24) #8 AWG	23	#10	.90 [23]	.41 [10]	±.04 [±1]	.21 [5]	1.65 [42]	.25 [6]	1.06 [27]	.08 [2]	.26 [7]	.32 [8]	.27 [7]	MY29-3 (2) MY29-11 (2)	---	49	RED	UBCRT (2 CRIMPS)		
YABC-TC14-FXB	#8 STR. (37/24) #8 AWG	23	1/4	.90 [23]	.44 [11]	±.04 [±1]	.27 [7]	1.78 [45]	.31 [8]	1.06 [27]	.08 [2]	.33 [8]	.32 [8]	.27 [7]	MY29-3 (2) MY29-11 (2)	---	49	RED	UBCRT (2 CRIMPS)		
YAV6C-TC10-FXB	#6 STR. (61/24) #6 AWG	30	#10	1.22 [31]	.48 [12]	±.04 [±1]	.21 [5]	2.00 [51]	.25 [6]	1.41 [36]	.08 [2]	.26 [7]	.37 [9]	.31 [8]	MY29-3 (2) MY29-11 (2)	Y644M (1 CRIMP)	7	BLUE	U5CRT (2 CRIMPS)		
YAV6C-TC14-FXB	#6 STR. (61/24) #6 AWG	30	1/4	1.22 [31]	.48 [12]	±.04 [±1]	.27 [7]	2.12 [54]	.31 [8]	1.41 [36]	.08 [2]	.33 [8]	.37 [9]	.31 [8]	MY29-3 (2) MY29-11 (2)	Y644M (1 CRIMP)	7	BLUE	U5CRT (2 CRIMPS)		
YAV6C-TC516-FXB	#6 STR. (61/24) #6 AWG	30	5/16	1.22 [31]	.52 [13]	±.04 [±1]	.33 [8]	2.19 [56]	.34 [9]	1.41 [36]	.07 [2]	.36 [9]	.37 [9]	.31 [8]	MY29-3 (2) MY29-11 (2)	Y644M (1 CRIMP)	7	BLUE	U5CRT (2 CRIMPS)		
YAS5C-TC14-FXB	#5 STR. (91/24) #5 AWG	30	1/4	1.22 [31]	.44 [11]	±.03 [±1]	.27 [7]	2.12 [54]	.31 [8]	1.41 [36]	.07 [2]	.33 [8]	.35 [9]	.30 [8]	MY29-3 (2) MY29-11 (2)	Y644M (1 CRIMP)	7	BLUE	U5CRT (2 CRIMPS)		
YAV4C-TC10-FXB	#4 STR. (91/24-105/24) #4 AWG	40	#10	1.22 [31]	.55 [14]	±.03 [±1]	.21 [5]	2.05 [52]	.25 [6]	1.46 [37]	.09 [2]	.26 [7]	.44 [11]	.38 [10]	MY29-3 (2) MY29-11 (2)	Y644M (1 CRIMP)	8	GRAY	U4CRT (2 CRIMPS)		
YAV4C-TC14-FXB	#4 STR. (91/24-105/24) #4 AWG	40	1/4	1.22 [31]	.55 [14]	±.03 [±1]	.27 [7]	2.17 [55]	.31 [8]	1.46 [37]	.09 [2]	.33 [8]	.44 [11]	.38 [10]	MY29-3 (2) MY29-11 (2)	Y644M (1 CRIMP)	8	GRAY	U4CRT (2 CRIMPS)		
YAV4C-TC516-FXB	#4 STR. (91/24-105/24) #4 AWG	40	5/16	1.22 [31]	.55 [14]	±.03 [±1]	.33 [8]	2.24 [57]	.34 [9]	1.46 [37]	.09 [2]	.36 [9]	.44 [11]	.38 [10]	MY29-3 (2) MY29-11 (2)	Y644M (1 CRIMP)	8	GRAY	U4CRT (2 CRIMPS)		

K DIA (2 PLACES)
TYPICAL LETTERING



CONNECTOR RANGE		TOLERANCES							
FROM	TO	B	K	L	N	P	BELL		
#8 STR. (37/24) #8 AWG	1/0 STR. (275/24) 1/0 AWG	±.06	±.02	±.09	±.03	±.06	±.06		
2/0 STR. (325/24) 2/0 AWG	373.3 Kcmil (925/24) 350 Kcmil NOM.	±.08	±.02	±.12	±.03	±.06	±.06		
444.4 Kcmil (1100/24) 450 Kcmil NOM.	1111 Kcmil (2750/24) 1000 Kcmil NOM.	±.09	±.02	±.15	±.06	±.10	±.06		

NOTES:

- MATERIAL: COPPER
- FINISH: ELECTRO-TIN PLATED
- CATALOG NUMBER "PUADP-1" ADAPTOR IS REQUIRED TO USE "U" TYPE DIES IN THE Y46 SERIES TOOLS.
- REFERENCE THE FCI USA, BURNDY® PRODUCTS MASTER CATALOG "INSTALLATION TOOL INDEX" FOR ADDITIONAL TOOLING.
- BELLED BARREL ENDS PROVIDE EASY CABLE INSERTION AND STRAIN RELIEF.
- DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS ROUNDED OFF TO THE NEAREST MILLIMETER, UNLESS OTHERWISE NOTED, AND ARE FOR REFERENCE ONLY.
- OTHER PLATING VARIATIONS MAY BE ORDERED BY ADDING SUFFIX TO END OF CATALOG NUMBER. EXAMPLE: YABC-TC10-FXBK ("K" IS FOR NICKEL PLATING).

TO ORDER BURNDY PRODUCTS CALL 1-800-346-4175
MANCHESTER, NH 03109, USA
FOR PRODUCT INFO = <http://www.fciconnect.com>

BELLED HYLUGS™

CAT. NO. YA-TC-FXB (TABLE)
SCALE NONE
DRAWN: J GAUDET 11/4/92 CHECKED: K HENRY 11/18/92
DSGN APPV: C PALAGI 11/20/92 MFG APPV: N/A
G.A. APPV: A LLOYD 11/24/92
MKTG APPV: N/A
CAD FILE: SE208075-01.5
MOL REF: N/A
DRAWING NO. SE208075
SHEET 1 OF 3

FCI
FRAMATOME GROUP
BURNDY • RACINE • MALCO • SAAE Products

REV.	DATE	DESCRIPTION	ECO	BY	PL	BM
5	1/27/00	ADDED CAT. # YAV6C-TC14-FXB TO TABLE (PER ECO 5407)	5407			