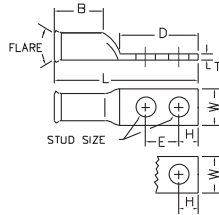


FLARED COPPER PENN-CRIMPS®

• TYPE BLU-FL



Short barrel lugs with inspection window for #4 (105/24) thru 1111 MCM (2750/24) diesel locomotive cable and class G, H, I, & K flexible cable.



Seamless, one piece, pure copper construction with tin plating assures maximum conductivity. Generous entrance chamfer and wide flare provide easy cable insertion even for fine stranded extra flexible cable. Inspection window insures full insertion. See catalogue page G-41 & G-42 for flexible cable recommendations and listing.

Catalogue number and conductor size marked on every piece insures positive identification.

Can be installed with existing crimping tools. Colour-coding conforms to industry requirements to insure proper connector/die selection and to provide for faster installation.

BLU LUGS ARE SUITABLE FOR USE AT VOLTAGES UP TO 35KV.

Part #	Diesel Locomotive Cable Range	Stranding	Colour Code	Stud Size	Approximate Dimensions (in inches)							Flex Wire Crimping Tool Reference				
					L	B	D	E†	H	T	W	Alt. Tooling		Penn-Union		
												Burndy Index	T&B Die	TDM 250	TDY	
1	U															
BLU3DFL BLU3S2FL	4 AWG	105/24	White	1/4 5/16	219/64 155/64	7/8 7/8	13/16 3/4	5/8 --	1/4 11/32	3/32 3/32	17/32 9/16	B-9	--	XF	2	--
BLU1SFL BLU1D4FL	2 AWG	150/24	Green	5/16 5/16	155/64 251/64	7/8 15/16	3/4 15/8	-- 7/8	11/32 11/32	7/64 7/64	43/64 43/64	B-11	37	XF	2	--
BLU10SFL BLU10DFL	1 AWG	225/24	Pink	5/16 5/16	115/16 213/16	7/8 7/8	3/4 15/8	-- 7/8	11/32 11/32	1/8 1/8	3/4 3/4	B-12	42	XF	2	--
BLU20SFL BLU20D4FL	1/0 AWG	275/24	Black	3/8 3/8	21/8 31/16	15/16 15/16	7/8 113/16	-- 1	13/32 3/8	1/8 1/8	13/16 13/16	B-13	45	XF	2	--
BLU30S1FL BLU30DFL	2/0 AWG	325/24	Orange	1/2 1/2	21/2 41/4	1 1	11/8 27/8	-- 13/4	17/32 17/32	1/8 1/8	29/32 29/32	B-14	50	XF	5	5
BLU40S1FL BLU40DFL	3/0 AWG	450/24	Purple	1/2 1/2	29/16 45/16	1 1	11/8 27/8	-- 13/4	9/16 17/32	9/64 9/64	1 1	B-15	54	XF	5	5
BLU030SFL BLU030DFL	4/0 AWG	550/24	White	1/2 1/2	23/4 41/2	11/16 11/16	11/8 27/8	-- 13/4	17/32 17/32	5/32 5/32	13/16 13/16	B-17	66H/66	--	7	7
BLU035SFL BLU035DFL	262 MCM	650/24	Red	1/2 1/2	229/32 45/8	11/8 11/8	15/32 27/8	-- 13/4	17/32 17/32	11/64 11/64	19/32 19/32	B-18	71H/71	--	7	7
BLU040DFL BLU040SFL	313 MCM	775/24	Blue	1/2 5/8	43/4 35/16	13/16 13/16	27/8 17/16	13/4 --	17/32 21/32	3/16 3/16	113/32 113/32	B-19	76H/76	--	7	7
BLU050DFL BLU050SFL	373 MCM	925/24	Brown	1/2 5/8	5 39/16	13/8 13/8	27/8 17/16	13/4 --	17/32 27/32	7/32 7/32	117/32 117/32	B-20	87	--	9	9
BLU060DFL BLU060SFL	444 MCM	1100/24	Green	1/2 5/8	53/32 231/32	13/8 13/8	27/8 13/4	13/4 --	17/32 7/8	17/64 17/64	123/32 123/32	B-22	94H/94	--	9	9
BLU065DFL BLU065S4FL	535 MCM	1325/24	Pink	1/2 5/8	53/32 331/32	13/8 13/8	27/8 13/4	13/4 --	17/32 7/8	17/64 17/64	125/32 125/32	B-300	99	--	9	9
BLU075DFL BLU075SFL	646 MCM	1600/24	Black	1/2 5/8	57/16 4	15/8 15/8	27/8 17/16	13/4 --	17/32 21/32	17/64 17/64	129/32 129/32	B-24	106H/106	--	9	9
BLU100DFL BLU100SFL	777 MCM	1925/24	White	1/2 5/8	57/8 47/8	17/8 17/8	17/8 17/8	13/4 --	17/32 15/16	21/64 21/64	23/16 23/16	B-27	125	--	9	9
BLU150DFL• BLU150SFL•	1111 MCM	2750/24	--	1/2 3/4	63/32 515/32	2 2	27/8 21/4	13/4 --	17/32 11/8	3/8 3/8	211/16 211/16	B-31	--	--	--	--

• UL and CSA pending

† Note: On double hole lugs: Nema spacing #10 & 1/4" studs—5/8" centers, 3/8" studs—1" centers, 1/2" studs—1 3/4" centers.

CSA approved with T&B, Burndy, Versa-Crimp, Huskie Tooling and Penn-Union Tools. See CSA File # LR23769-20, figure A5, appendix I.

Installation tools see page F-24

ADDITIONAL WIRE SIZE RECOMMENDATIONS FOR COPPER PENN-CRIMPS®

• TYPES BCU, BBCU, BLU, BBLU

Copper Connector Catalogue Type Splices and Lugs (1 & 2 Hole)											
	Class B & C Building Wire Cu Cable Size & Stranding	Class I Flexible Cable (#24AWG Cu Strands) Size & Stranding	Class K Weld Cable (#30AWG Cu Strands) Size & Stranding	Diesel Locomotive Cable (#24AWG Cu Strands) Size & Stranding	Class H Cable (No. & Dia. of Wire) Size & Stranding	Class G Cable (No. & Dia. of Wire) Size & Stranding	Class M Flexible Cable (#34AWG Cu Strands) Size & Stranding	Metric Cable Wire Size Range Copper Cable Only Metric Size & Dia.	Navy Cable	Air Craft	
BCU-BBCU-BLU-BBLU-8	#8 AWG 7 or 19	#8 AWG 41/24	None	None	*#8 AWG 133/.0111	*#8 AWG 49/.0184	#8 AWG 420/34	6mm ² 3.21mm	#23	AN-8	
BCU-BBCU-BLU-BBLU-6	#6 AWG 7 or 19	#6 AWG 63/24	None	None	#7 AWG 133/.0125	*#7 AWG 49/.0206	#7 AWG 532/34	10mm ² 4.12mm	None	None	
BCU-BBCU-BLU-BBLU-5	#5 AWG 7 or 19	None	None	None	*#6 AWG 133/.0140	*#6 AWG 49/.0231	#6 AWG 665/34	16mm ² 5.18mm	#30	AN-6	
BCU-BBCU-BLU-BBLU-4	#4 AWG 7 or 19	None	None	None	*#5 AWG 133/.0158	*#5 AWG 49/.0260	#5 AWG 836/34	*20mm ² 5.72mm	#40	None	
BCU-BBCU-BLU-BBLU-3	#3 AWG 7 or 19	#4 AWG 105/24	#4 AWG 420/30	#4 AWG 105/24	#4 AWG 133/.0177	#4 AWG 49/.0292	#4 AWG 1064/34	25mm ² 6.60mm	#50	AN-4	
BCU-BBCU-BLU-BBLU-2	#2 AWG 7 or 19	None	None	None	*#3 AWG 133/.0199	*#3 AWG 49/.0328	#3 AWG 1323/34	*30mm ² 7.01mm	#60	None	
BCU-BBCU-BLU-BBLU-1	#1 AWG 19 or 37	#2 AWG 161/24	#2 AWG 665/30	#2 AWG 150/24	#2 AWG 133/.0223	#2 AWG 49/.0368	#2 AWG 1666/34	*40mm ² 8.20mm	#75	AN-2	
BCU-BBCU-BLU-BBLU-1/0	1/0 AWG 19 or 37	None	#1 AWG 836/30	#1 AWG 225/24	#1 AWG 259/.0180	#1 AWG 133/.0251	#1 AWG 2107/34	50mm ² 9.27mm	#100	AN-1	
BCU-BBCU-BLU-BBLU-2/0	2/0 AWG 19 or 37	1/0 AWG 266/24	1/0 AWG 1064/30	1/0 AWG 275/24	1/0 AWG 259/.0202	1/0 AWG 133/.0282	1/0 AWG 2646/34	70mm ² 10.92mm	#125	AN-1/0	
BCU-BBCU-BLU-BBLU-3/0	3/0 AWG 19 or 37	2/0 AWG 342/24	2/0 AWG 1323/30	2/0 AWG 325/24	2/0 AWG 259/.0227	2/0 AWG 133/.0316	None	*85mm ² 11.94mm	#150	None	
BCU-BBCU-BLU-BBLU-4/0	4/0 AWG 19 or 37	None	3/0 AWG 1666/30	3/0 AWG 450/24	3/0 AWG 259/.0255	3/0 AWG 133/.0355	2/0 AWG 3325/34	95mm ² 12.80mm	#200	AN-2/0 AN-3/0	
BCU-BBCU-BLU-BBLU-025	250 MCM 37 or 61	None	None	None	None	None	3/0 AWG 4256/34	120mm ² 14.40mm	None	None	
BCU-BBCU-BLU-BBLU-030	300 MCM 37 or 61	4/0 AWG 532/24	4/0 AWG 2107/30	4/0 AWG 550/24	*4/0 AWG 259/.0286	*4/0 AWG 133/.0399	4/0 AWG 5320/34	150mm ² 16.00mm	#300	AN-4/0	
BCU-BBCU-BLU-BBLU-035	350 MCM 37 or 61	None	None	262 MCM 650/24	*250 MCM 427/.0242	*250 MCM 259/.0311	None	*180mm ² 17.42mm	#350	None	
BCU-BBCU-BLU-BBLU-040	400 MCM 37 or 61	None	None	313 MCM 775/24	300 MCM 427/.0265	300 MCM 259/.0340	250 MCM 6384/34	185mm ² 17.80mm	#400	None	
BCU-BBCU-BLU-BBLU-045	450 MCM 37 or 61	None	None	None	350 MCM 427/.0286	350 MCM 259/.0368	300 MCM 7581/34	None	None	None	
BCU-BBCU-BLU-BBLU-050	500 MCM 37 or 61	350 MCM 882/24	None	373 MCM 925/24	400 MCM 427/.0306	400 MCM 259/.0393	350 MCM 8806/34	240mm ² 20.30mm	None	None	
BCU-BBCU-BLU-BBLU-060	600 MCM 61 or 91	None	None	444 MCM 1100/24	450 MCM 427/.0325	450 MCM 259/.0417	400 MCM 10101/34	300mm ² 22.63mm	None	None	
BCU-BBCU-BLU-BBLU-065	650 MCM 61 or 91	500 MCM 1225/24	None	535 MCM 1325/24	500 MCM 427/.0342	500 MCM 259/.0439	450 MCM 11396/34	None	None	None	
BCU-BBCU-BLU-BBLU-075	750 MCM 61 or 91	None	None	646 MCM 1600/24 600 MCM 703/.0292	*550 MCM 703/.0280 600 MCM 427/.0375	*550 MCM 427/.0359	500 MCM 12691/34	None	None	None	
BCU-BBCU-BLU-BBLU-080	800 MCM 61 or 91	None	None	None	*650 MCM 703/.0304 700 MCM 427/.0405	*650 MCM 427/.0390	550 MCM 13664/34	400mm ² 26.1mm	None	None	
BCU-BBCU-BLU-BBLU-100	1000 MCM 61 or 91	750 MCM 1862/24	None	777 MCM 1925/24	*700 MCM 703/.0316 750 MCM 703/.0327	*750 MCM 427/.0419 800 MCM 427/.0433	600 MCM 14945/34 650 MCM 16226/34	500mm ² 29.3mm	None	None	

*Not UL Listed