

A. System Overview



## Flex Conductor, Two-Hole, Long Barrel with Window Lug

B1. Cable Ties

**For Use with Flexible, Extra-Flexible, and Code Stranded Copper Conductors**

### Type LCCX

- Can be used with code conductor and flex conductor class: G, H, I, K, M and Diesel Locomotive
- Long barrel maximizes number of crimps and provides premium wire pull-out strength and electrical performance
- Generously beveled wire entry prevents bent back strands when inserting conductor into barrel
- Color-coded barrels marked with Panduit and specified competitor die index numbers for proper crimp die selection
- Inspection window to visually assure full conductor insertion
- Tin-plated to inhibit corrosion
- UL Listed and CSA Certified to 35 KV\*\* and temperature rated to 90°C when crimped with Panduit and specified competitor crimping tools and dies
- Meets J-STD-607-A and TIA-942 requirements for network systems grounding applications
- Available with NEMA hole sizes and spacing

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

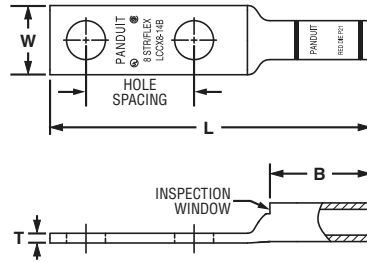


Figure 1

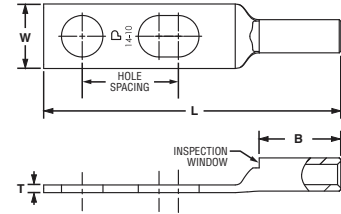


Figure 2: Slotted

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index

Part Number	Flex Conductor Size		Code Conductor Size	Stud Hole Size (In.)	Stud Hole Spacing (In.)	Figure Dimensions (In.)				Panduit Color Code	Panduit Die Index No.‡	Burdny Die Index No.‡	T&B Die Index No.‡	Wire Strip Length (In.)	Std. Pkg. Qty.			
	Class G, H, I, K, M	Diesel Locomotive				W	B	T	L									
LCCX8-10A-L			#8 AWG	#10	0.63	0.41	0.70	0.08	2.01	Red	P21	49	21	3/4	50			
LCCX8-10B-L				#10	0.75	0.41	0.70	0.08	2.14	Red	P21	49	21	3/4	50			
LCCX8-10AB-L^				#10	0.63 – 0.75	0.41	0.70	0.08	2.14	Red	P21	49	21	3/4	50			
LCCX8-14A-L	#8 AWG	#8 AWG		1/4	0.63	0.48	0.70	0.07	2.10	Red	P21	49	21	3/4	50			
LCCX8-14B-L				1/4	0.75	0.48	0.70	0.07	2.23	Red	P21	49	21	3/4	50			
LCCX8-14AB-L^				1/4	0.63 – 0.75	0.48	0.70	0.07	2.23	Red	P21	49	21	3/4	50			
LCCX8-14D-L				1/4	1.00	0.48	0.70	0.07	2.48	Red	P21	49	21	3/4	50			
LCCX8-38D-L				3/8	1.00	0.60	0.70	0.05	2.70	Red	P21	49	21	3/4	50			
LCCX6-10B-L						#10	0.75	0.46	1.07	0.08	2.52	Blue	P24	7	24	1 1/8	50	
LCCX6-14A-L	#6 AWG	#6 AWG		#6 AWG	1/4	0.63	0.48	1.07	0.08	2.49	Blue	P24	7	24	1 1/8	50		
LCCX6-14B-L			1/4		0.75	0.48	1.07	0.08	2.61	Blue	P24	7	24	1 1/8	50			
LCCX6-14AB-L^			1/4		0.63 – 0.75	0.48	1.07	0.08	2.61	Blue	P24	7	24	1 1/8	50			
LCCX6-14D-L			1/4		1.00	0.48	1.07	0.08	2.86	Blue	P24	7	24	1 1/8	50			
LCCX6-38A-L			3/8		0.63	0.62	1.07	0.06	2.71	Blue	P24	7	24	1 1/8	50			
LCCX6-38C-L			3/8		0.88	0.62	1.07	0.06	2.96	Blue	P24	7	24	1 1/8	50			
LCCX6-38AC-L^			3/8		0.63 – 0.88	0.62	1.07	0.06	2.96	Blue	P24	7	24	1 1/8	50			
LCCX6-38D-L			3/8		1.00	0.62	1.07	0.06	3.08	Blue	P24	7	24	1 1/8	50			
LCCX4-14A-L			#4 AWG		#5, #4, #3 AWG	#4 AWG	1/4	0.63	0.55	1.05	0.09	2.49	Gray	P29	8	29	1 1/8	50
LCCX4-14B-L							1/4	0.75	0.55	1.05	0.09	2.63	Gray	P29	8	29	1 1/8	50
LCCX4-14AB-L^	1/4	0.63 – 0.75		0.55			1.05	0.09	2.63	Gray	P29	8	29	1 1/8	50			
LCCX4-14CE-L^	1/4	0.88 – 1.25		0.55			1.05	0.09	3.12	Gray	P29	8	29	1 1/8	50			
LCCX4-38B-L	3/8	0.75		0.62			1.05	0.08	2.84	Gray	P29	8	29	1 1/8	50			
LCCX4-38D-L	3/8	1.00		0.62			1.05	0.08	3.09	Gray	P29	8	29	1 1/8	50			
LCCX4-38BD-L^	3/8	0.75 – 1.00		0.62			1.05	0.08	3.09	Gray	P29	8	29	1 1/8	50			

‡See pages D3.70 – D3.73 for tool and die information.

\*Not UL Listed or CSA Certified with Class K flex conductor when crimped with Burdny tools.

\*\*Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.

^Slotted lug, refer to Figure 2.

◆NEMA hole sizes and spacing.



## Flex Conductor, Two-Hole, Long Barrel with Window Lug (continued)

Part Number	Flex Conductor Size		Code Conductor Size	Stud Hole Size (In.)	Stud Hole Spacing (In.)	Figure Dimensions (In.)				Panduit Color Code	Panduit Die Index No.‡	Burndy Die Index No.‡	T&B Die Index No.‡	Wire Strip Length (In.)	Std. Pkg. Qty.
	Class G, H, I, K, M	Diesel Locomotive				W	B	T	L						
LCCX2-14A-E*	#2 AWG	#2 AWG	#2 AWG	1/4	0.63	0.70	1.36	0.11	2.89	Brown	P33	10	33	1 7/16	20
LCCX2-14B-E*				1/4	0.75	0.70	1.36	0.11	3.01	Brown	P33	10	33	1 7/16	20
LCCX2-38D-E*				3/8	1.00	0.70	1.36	0.11	3.46	Brown	P33	10	33	1 7/16	20
LCCX2-12-E*				1/2	1.75	0.75	1.36	0.09	4.63	Brown	P33	10	33	1 7/16	20
LCCX1-14A-X	#1 AWG	#1 AWG	#1 AWG	1/4	0.63	0.76	1.44	0.12	3.07	Green	P37	11	37	1 1/2	10
LCCX1-14B-X				1/4	0.75	0.76	1.44	0.12	3.19	Green	P37	11	37	1 1/2	10
LCCX1-14D-X				1/4	1.00	0.76	1.44	0.12	3.44	Green	P37	11	37	1 1/2	10
LCCX1-56C-X				5/16	0.88	0.76	1.44	0.12	3.37	Green	P37	11	37	1 1/2	10
LCCX1-56D-X	#1 AWG	#1 AWG	#1 AWG	5/16	1.00	0.76	1.44	0.12	3.50	Green	P37	11	37	1 1/2	10
LCCX1-38D-X				3/8	1.00	0.76	1.44	0.12	3.57	Green	P37	11	37	1 1/2	10
LCCX1/0-14A-X				1/4	0.63	0.85	1.50	0.13	3.23	Pink	P42	12	42	1 9/16	10
LCCX1/0-14B-X	1/0 AWG	1/0 AWG	1/0 AWG	1/4	0.75	0.85	1.50	0.13	3.36	Pink	P42	12	42	1 9/16	10
LCCX1/0-38D-X				3/8	1.00	0.85	1.50	0.13	3.67	Pink	P42	12	42	1 9/16	10
LCCX1/0-12-X	1/0 AWG	1/0 AWG	1/0 AWG	1/2	1.75	0.85	1.50	0.13	4.83	Pink	P42	12	42	1 9/16	10
LCCX2/0-14A-X				1/4	0.63	0.96	1.50	0.13	3.27	Black	P45	13	45	1 9/16	10
LCCX2/0-14B-X				1/4	0.75	0.96	1.50	0.13	3.39	Black	P45	13	45	1 9/16	10
LCCX2/0-38D-X				3/8	1.00	0.96	1.50	0.13	3.70	Black	P45	13	45	1 9/16	10
LCCX2/0-12-X	2/0 AWG	2/0 AWG	2/0 AWG	1/2	1.75	0.96	1.50	0.13	4.87	Black	P45	13	45	1 9/16	10
LCCX3/0-14B-X				1/4	0.75	1.06	1.56	0.14	3.48	Orange	P50	14	50	1 5/8	10
LCCX3/0-38D-X	3/0 AWG	3/0 AWG	3/0 AWG	3/8	1.00	1.06	1.56	0.14	3.81	Orange	P50	14	50	1 5/8	10
LCCX4/0-14B-X				1/4	0.75	1.19	2.24	0.16	4.07	Purple	P54	15	54	2 5/16	10
LCCX4/0-38D-X	4/0 AWG	4/0 AWG	4/0 AWG	3/8	1.00	1.19	2.24	0.16	4.55	Purple	P54	15	54	2 5/16	10
LCCX4/0-12-X				1/2	1.75	1.19	2.24	0.16	5.73	Purple	P54	15	54	2 5/16	10
LCCX250-14B-X	250 kcmil	262.6 kcmil	—	1/4	0.75	1.28	2.24	0.17	4.11	Yellow	P62	16	62	2 5/16	10
LCCX250-38D-X				3/8	1.00	1.28	2.24	0.17	4.59	Yellow	P62	16	62	2 5/16	10
LCCX250-12-X				1/2	1.75	1.28	2.24	0.17	5.77	Yellow	P62	16	62	2 5/16	10
LCCX300-38D-6	300 kcmil	313.1 kcmil	—	3/8	1.00	1.39	2.30	0.18	4.67	Red	P71	18	71H	2 3/8	6
LCCX300-12-6	300 kcmil	313.1 kcmil	—	1/2	1.75	1.39	2.30	0.18	5.85	Red	P71	18	71H	2 3/8	6
LCCX350-14B-6	350 kcmil	373.7 kcmil	—	1/4	0.75	1.54	2.50	0.22	4.47	Blue	P76	19	76H	2 9/16	6
LCCX350-38D-6				3/8	1.00	1.54	2.50	0.22	4.95	Blue	P76	19	76H	2 9/16	6
LCCX350-12-6				1/2	1.75	1.54	2.50	0.22	6.13	Blue	P76	19	76H	2 9/16	6
LCCX450-12-6	450 kcmil	444.4 kcmil	—	1/2	1.75	1.70	2.69	0.26	6.37	Brown	P87	20	87	2 3/4	6
LCCX500-38D-6	500 kcmil	535.3 kcmil	—	3/8	1.00	1.89	2.88	0.26	5.72	Pink	P99	L99	99H	2 15/16	6
LCCX500-12-6				1/2	1.75	1.89	2.88	0.26	6.66	Pink	P99	L99	99H	2 15/16	6
LCCX650-12-6				—	646.4 kcmil	—	1/2	1.75	1.95	2.94	0.30	6.75	Black	P106	24

‡See pages D3.70 – D3.73 for tool and die information.

\*Not UL Listed or CSA Certified with Class K flex conductor when crimped with Burndy tools.

\*\*Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.

^Slotted lug, refer to Figure 2.

◆NEMA hole sizes and spacing.

A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

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B1. Cable Ties

**For Use with Flexible, Extra-Flexible, and Code Stranded Copper Conductors**

### Type LCCX

- Can be used with code conductor and flex conductor class: G, H, I, K, M and Diesel Locomotive
- Long barrel maximizes number of crimps and provides premium wire pull-out strength and electrical performance
- Generously beveled wire entry prevents bent back strands when inserting conductor into barrel
- Color-coded barrels marked with Panduit and specified competitor die index numbers for proper crimp die selection
- Inspection window to visually assure full conductor insertion
- Tin-plated to inhibit corrosion
- UL Listed and CSA Certified to 35 KV\*\* and temperature rated to 90°C when crimped with Panduit and specified competitor crimping tools and dies
- Meets J-STD-607-A and TIA-942 requirements for network systems grounding applications
- Available with NEMA hole sizes and spacing

B2. Cable Accessories

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

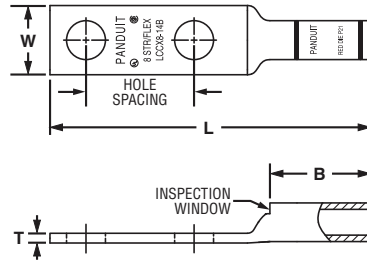


Figure 1

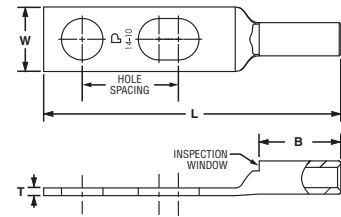


Figure 2: Slotted

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

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F. Index

Part Number	Flex Conductor Size		Code Conductor Size	Stud Hole Size (In.)	Stud Hole Spacing (In.)	Figure Dimensions (In.)				Panduit Color Code	Panduit Die Index No.‡	Burdny Die Index No.‡	T&B Die Index No.‡	Wire Strip Length (In.)	Std. Pkg. Qty.
	Class G, H, I, K, M	Diesel Locomotive				W	B	T	L						
LCCX8-10A-L			#8 AWG	#10	0.63	0.41	0.70	0.08	2.01	Red	P21	49	21	3/4	50
LCCX8-10B-L			#8 AWG	#10	0.75	0.41	0.70	0.08	2.14	Red	P21	49	21	3/4	50
LCCX8-10AB-L^			#8 AWG	#10	0.63 – 0.75	0.41	0.70	0.08	2.14	Red	P21	49	21	3/4	50
LCCX8-14A-L	#8 AWG	#8 AWG	#8 AWG	1/4	0.63	0.48	0.70	0.07	2.10	Red	P21	49	21	3/4	50
LCCX8-14B-L			#8 AWG	1/4	0.75	0.48	0.70	0.07	2.23	Red	P21	49	21	3/4	50
LCCX8-14AB-L^			#8 AWG	1/4	0.63 – 0.75	0.48	0.70	0.07	2.23	Red	P21	49	21	3/4	50
LCCX8-14D-L			#8 AWG	1/4	1.00	0.48	0.70	0.07	2.48	Red	P21	49	21	3/4	50
LCCX8-38D-L			#8 AWG	3/8	1.00	0.60	0.70	0.05	2.70	Red	P21	49	21	3/4	50
LCCX6-10B-L			#6 AWG	#10	0.75	0.46	1.07	0.08	2.52	Blue	P24	7	24	1 1/8	50
LCCX6-14A-L			#6 AWG	1/4	0.63	0.48	1.07	0.08	2.49	Blue	P24	7	24	1 1/8	50
LCCX6-14B-L			#6 AWG	1/4	0.75	0.48	1.07	0.08	2.61	Blue	P24	7	24	1 1/8	50
LCCX6-14AB-L^			#6 AWG	1/4	0.63 – 0.75	0.48	1.07	0.08	2.61	Blue	P24	7	24	1 1/8	50
LCCX6-14D-L			#6 AWG	1/4	1.00	0.48	1.07	0.08	2.86	Blue	P24	7	24	1 1/8	50
LCCX6-38A-L			#6 AWG	3/8	0.63	0.62	1.07	0.06	2.71	Blue	P24	7	24	1 1/8	50
LCCX6-38C-L			#6 AWG	3/8	0.88	0.62	1.07	0.06	2.96	Blue	P24	7	24	1 1/8	50
LCCX6-38AC-L^			#6 AWG	3/8	0.63 – 0.88	0.62	1.07	0.06	2.96	Blue	P24	7	24	1 1/8	50
LCCX6-38D-L			#6 AWG	3/8	1.00	0.62	1.07	0.06	3.08	Blue	P24	7	24	1 1/8	50
LCCX4-14A-L			#4 AWG	1/4	0.63	0.55	1.05	0.09	2.49	Gray	P29	8	29	1 1/8	50
LCCX4-14B-L			#4 AWG	1/4	0.75	0.55	1.05	0.09	2.63	Gray	P29	8	29	1 1/8	50
LCCX4-14AB-L^			#4 AWG	1/4	0.63 – 0.75	0.55	1.05	0.09	2.63	Gray	P29	8	29	1 1/8	50
LCCX4-14CE-L^			#4 AWG	1/4	0.88 – 1.25	0.55	1.05	0.09	3.12	Gray	P29	8	29	1 1/8	50
LCCX4-38B-L			#4 AWG	3/8	0.75	0.62	1.05	0.08	2.84	Gray	P29	8	29	1 1/8	50
LCCX4-38D-L			#4 AWG	3/8	1.00	0.62	1.05	0.08	3.09	Gray	P29	8	29	1 1/8	50
LCCX4-38BD-L^			#4 AWG	3/8	0.75 – 1.00	0.62	1.05	0.08	3.09	Gray	P29	8	29	1 1/8	50

‡See pages D3.70 – D3.73 for tool and die information.

\*Not UL Listed or CSA Certified with Class K flex conductor when crimped with Burdny tools.

\*\*Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.

^Slotted lug, refer to Figure 2.

◆NEMA hole sizes and spacing.



## Flex Conductor, Two-Hole, Long Barrel with Window Lug (continued)

Part Number	Flex Conductor Size		Code Conductor Size	Stud Hole Size (In.)	Stud Hole Spacing (In.)	Figure Dimensions (In.)				Panduit Color Code	Panduit Die Index No.‡	Burndy Die Index No.‡	T&B Die Index No.‡	Wire Strip Length (In.)	Std. Pkg. Qty.
	Class G, H, I, K, M	Diesel Locomotive				W	B	T	L						
LCCX2-14A-E*	#2 AWG	#2 AWG	#2 AWG	1/4	0.63	0.70	1.36	0.11	2.89	Brown	P33	10	33	1 7/16	20
LCCX2-14B-E*				1/4	0.75	0.70	1.36	0.11	3.01	Brown	P33	10	33	1 7/16	20
LCCX2-38D-E*				3/8	1.00	0.70	1.36	0.11	3.46	Brown	P33	10	33	1 7/16	20
LCCX2-12-E*				1/2	1.75	0.75	1.36	0.09	4.63	Brown	P33	10	33	1 7/16	20
LCCX1-14A-X	#1 AWG	#1 AWG	#1 AWG	1/4	0.63	0.76	1.44	0.12	3.07	Green	P37	11	37	1 1/2	10
LCCX1-14B-X				1/4	0.75	0.76	1.44	0.12	3.19	Green	P37	11	37	1 1/2	10
LCCX1-14D-X				1/4	1.00	0.76	1.44	0.12	3.44	Green	P37	11	37	1 1/2	10
LCCX1-56C-X				5/16	0.88	0.76	1.44	0.12	3.37	Green	P37	11	37	1 1/2	10
LCCX1-56D-X	#1 AWG	#1 AWG	#1 AWG	5/16	1.00	0.76	1.44	0.12	3.50	Green	P37	11	37	1 1/2	10
LCCX1-38D-X				3/8	1.00	0.76	1.44	0.12	3.57	Green	P37	11	37	1 1/2	10
LCCX1/0-14A-X				1/4	0.63	0.85	1.50	0.13	3.23	Pink	P42	12	42	1 9/16	10
LCCX1/0-14B-X	1/0 AWG	1/0 AWG	1/0 AWG	1/4	0.75	0.85	1.50	0.13	3.36	Pink	P42	12	42	1 9/16	10
LCCX1/0-38D-X				3/8	1.00	0.85	1.50	0.13	3.67	Pink	P42	12	42	1 9/16	10
LCCX1/0-12-X	1/0 AWG	1/0 AWG	1/0 AWG	1/2	1.75	0.85	1.50	0.13	4.83	Pink	P42	12	42	1 9/16	10
LCCX2/0-14A-X				1/4	0.63	0.96	1.50	0.13	3.27	Black	P45	13	45	1 9/16	10
LCCX2/0-14B-X				1/4	0.75	0.96	1.50	0.13	3.39	Black	P45	13	45	1 9/16	10
LCCX2/0-38D-X				3/8	1.00	0.96	1.50	0.13	3.70	Black	P45	13	45	1 9/16	10
LCCX2/0-12-X	2/0 AWG	2/0 AWG	2/0 AWG	1/2	1.75	0.96	1.50	0.13	4.87	Black	P45	13	45	1 9/16	10
LCCX3/0-14B-X				1/4	0.75	1.06	1.56	0.14	3.48	Orange	P50	14	50	1 5/8	10
LCCX3/0-38D-X	3/0 AWG	3/0 AWG	3/0 AWG	3/8	1.00	1.06	1.56	0.14	3.81	Orange	P50	14	50	1 5/8	10
LCCX4/0-14B-X				1/4	0.75	1.19	2.24	0.16	4.07	Purple	P54	15	54	2 5/16	10
LCCX4/0-38D-X	4/0 AWG	4/0 AWG	4/0 AWG	3/8	1.00	1.19	2.24	0.16	4.55	Purple	P54	15	54	2 5/16	10
LCCX4/0-12-X				1/2	1.75	1.19	2.24	0.16	5.73	Purple	P54	15	54	2 5/16	10
LCCX250-14B-X	250 kcmil	262.6 kcmil	—	1/4	0.75	1.28	2.24	0.17	4.11	Yellow	P62	16	62	2 5/16	10
LCCX250-38D-X				3/8	1.00	1.28	2.24	0.17	4.59	Yellow	P62	16	62	2 5/16	10
LCCX250-12-X				1/2	1.75	1.28	2.24	0.17	5.77	Yellow	P62	16	62	2 5/16	10
LCCX300-38D-6	300 kcmil	313.1 kcmil	—	3/8	1.00	1.39	2.30	0.18	4.67	Red	P71	18	71H	2 3/8	6
LCCX300-12-6	300 kcmil	313.1 kcmil	—	1/2	1.75	1.39	2.30	0.18	5.85	Red	P71	18	71H	2 3/8	6
LCCX350-14B-6	350 kcmil	373.7 kcmil	—	1/4	0.75	1.54	2.50	0.22	4.47	Blue	P76	19	76H	2 9/16	6
LCCX350-38D-6				3/8	1.00	1.54	2.50	0.22	4.95	Blue	P76	19	76H	2 9/16	6
LCCX350-12-6				1/2	1.75	1.54	2.50	0.22	6.13	Blue	P76	19	76H	2 9/16	6
LCCX450-12-6	450 kcmil	444.4 kcmil	—	1/2	1.75	1.70	2.69	0.26	6.37	Brown	P87	20	87	2 3/4	6
LCCX500-38D-6	500 kcmil	535.3 kcmil	—	3/8	1.00	1.89	2.88	0.26	5.72	Pink	P99	L99	99H	2 15/16	6
LCCX500-12-6				1/2	1.75	1.89	2.88	0.26	6.66	Pink	P99	L99	99H	2 15/16	6
LCCX650-12-6				—	646.4 kcmil	—	1/2	1.75	1.95	2.94	0.30	6.75	Black	P106	24

‡See pages D3.70 – D3.73 for tool and die information.

\*Not UL Listed or CSA Certified with Class K flex conductor when crimped with Burndy tools.

\*\*Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.

^Slotted lug, refer to Figure 2.

◆NEMA hole sizes and spacing.

A. System Overview

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B2. Cable Accessories

B3. Stainless Steel Ties

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