

Conductor Code Table

Compression Lug Kit	Part Number
Hi-Tech Fuse Compression Lug	LFEK-HTH + Conductor Code
Cooper Fuse Compression Lug	LFEK-CPS + Conductor Code
Chardon Fuse Compression Lug	LFEK-CH + Conductor Code

Note:
Elastimold, Hi-Tech, Easton and Cooper, these brand names are property of their respective owners. All company , product and service names used in this catalog/ instruction sheet, are for identification purposes only.Use of these names, logos, and brands does not imply endorsement.

CHARDON FUSES



Table 1: Electrical Characteristics of the Elbow Fuses and Catalog Numbers

Electrical Characteristics of the Elbow Fuses									
Voltage Class System(kV)	N o m i n a l Fuse Voltage Rating(kV)	N o m i n a l Fuse Current Rating(A)	Fuse Catalog Number	Minimum Melt I ₂ t (A²s)	Maximum Total I ₂ t (A²s)	Peak Arc Voltage (kV)	Maximum Continuous Current (A)		
							25°C	40°C	65°C
15	8.3	3	CHFEF083003	770	1700	33	4.9	4.7	4.2
		6	CHFEF083006	1390	3020	33	7.7	7.3	6.8
		8	CHFEF083008	1565	3600	33	8.3	7.9	8.5
		10	CHFEF083010	1760	3850	32	12.9	12.3	11.5
		12	CHFEF083012	1850	4100	32	15.7	15.2	14.6
		18	CHFEF083018	1950	7240	27	23.2	22.3	21.3
		20	CHFEF083020	2120	7800	27	23.3	22.5	21.4
		25	CHFEF083025	2438	9600	27	28.5	27.5	26.7
		30	CHFEF083030	7330	15800	27	34.5	32.8	31
		40	CHFEF083040	7970	23700	27	45	42.5	40.5
		45	CHFEF083045	9752	31200	27	63	58	51
		65	CHFEF083065	19600	49700	16	89	84	80
		80	CHFEF083080	26250	66300	16	107	101	96

Table 2: Recommended Fuse Current Ratings for Transformer

Recommended Fuse Current Ratings for Transformer										
Nominal Fuse Rated Voltage			8.3kV							
1-Phase Transformer kVA	1-Phase Voltage Rating (kV) - Phase to Ground									
	2.4		4.16		4.8		7.2		7.62	
	A	B	A	B	A	B	A	B	A	B
10		8		6		6		6		6
15	8	10		8		8		6		6
25	12	20	10	12		10		8		8
37.5	20	25	12	18	10	12		10		10
50	25	40	18	20	12	20	10	12	10	12
75	40		20	30	20	30	12	20	12	20
100			30		30	40	25	30	18	25
167							40		30	40

3-Phase Transformer kVA	3-Phase Voltage Rating (kV)-Phase to Phase											
	2.4		4.16		4.8		8.32		12.47		13.2 to 14.4kV	
	A	B	A	B	A	B	A	B	A	B	A	B
15		8										
22.5		10		6		6						
30	10	12		8		8		6				
45	12	20	10	10		10		6				
75	20	30	12	18	12	18		8		6		6
100	40		18	25	12	20		12		8		6
112.5			20	25	20	25	10	12		10		8
150			30	40	20	30	12	20		12		10
200			40		30	40	18	25		12	10	12
225					40		20	30	12	20	12	18
300							30	40	18	25	18	25
500									30	40	30	40

Note:
(1) Fuses election is based on the continous current rating of the fuses at 40°C. Fuses in listed Column A allow between 1.4 and 2 times the rated current of the transformer; those listed in Column B, allow 2 to 3 times the rated current of the transformer.
(2) Recommended fuses meet in rush criteria of 12 times transformer gull load current for 0.1 second and 25 times full load current for 0.01second.
(3) Fuses meet cold load pick up criteria of 6 times transformer full load current for 1 second and 3 times full load current of 10 seconds.