

Cable Limiters

600 Volts AC



Cable limiters are fusible devices that provide very fast short-circuit protection, primarily to faulted cables, but also to other conductors such as busway. Cable limiters do not have an ampere rating, and cannot be used to provide overload protection. They are instead selected by cable size; for example, a 500 kcmil cable requires a 500 kcmil cable limiter. Their main use is to isolate faulted cables in circuits containing three or more parallel conductors per phase. They may be installed on the line side of the main service to provide short-circuit protection to the service conductors. This is especially important when service conductors are tapped from large low voltage networks or from large low impedance transformers.

Cable limiters have terminals which permit them to be installed in a variety of equipment. The most common configuration is the offset blade on one end and the crimp terminal on the other end. This permits the limiter to replace a cable terminal (lug).

Applications

Service entrance conductors
Between transformer or network bus and busway terminal boxes
Large feeders with three or more conductors per phase

Features

- Current-limiting characteristics provide protection to conductor insulation and reduce damage when faults occur.
- Properly applied cable limiters may permit the use of equipment with reduced withstand ratings
- Wide variety of terminations and cable ratings permit use in almost every situation.

Specifications

Voltage Rating: 600 volts AC
Interrupting Rating: 200,000 Amperes
Cable Size Range: 4/0 – 750MCM Copper or Aluminum

Note: For Type 5 and Type 8 Aluminum cable limiters, use the Copper Type C5 and C8.

Ordering Information

Description			Catalog Number	
Type	Termination	Cable Size	Cable Type	
			Copper	Aluminum
1		4/0	LFCL4/0C1	LFCL4/0A1
		250MCM	LFCL250C1	LFCL250A1
		350MCM	LFCL350C1	LFCL350A1
		500MCM	LFCL500C1	LFCL500A1
		750MCM	LFCL750C1	LFCL750A1
3		4/0	LFCL4/0C3	LFCL4/0A3
		250MCM	LFCL250C3	LFCL250A3
		350MCM	LFCL350C3	LFCL350A3
		500MCM	LFCL500C3	LFCL500A3
		750MCM	LFCL750C3	LFCL750A3
5		4/0	LFCL4/0C5	—
		250MCM	LFCL250C5	—
		350MCM	LFCL350C5	—
		500MCM	LFCL500C5	—
		750MCM	LFCL750C5	—
6		4/0	LFCL4/0C6	LFCL4/0A6
		250MCM	LFCL250C6	LFCL250A6
		350MCM	LFCL350C6	LFCL350A6
		500MCM	LFCL500C6	LFCL500A6
		750MCM	LFCL750C6	LFCL750A6
8		4/0	LFCL4/0C8	—
		250MCM	LFCL250C8	—
		350MCM	LFCL350C8	—
		500MCM	LFCL500C8	—
		750MCM	LFCL750C8	—

