Cable Limiters

600 Volts AC

Littelfuse
POWR-GARD™ Products



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. Cable limiters are 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

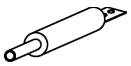
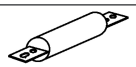
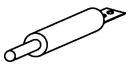
- Current-limiting characteristics provide protection to conductor insulation and reduce damage when faults occur.
- Properly applied cable limiters may permit the use of equipment with reduced withstand ratings
- Wide variety of terminations and cable ratings permit use in almost every situation.

SPECIFICATIONS

Voltage Rating: 600 volts AC
Interrupting Rating: 200,000 Amperes
Cable Size Range: 4/0 – 750MCM Copper or Aluminum
Minimum Operating Temperature: 80°C

ORDERING INFORMATION

LFCL	-	500	-	C	-	1
Littelfuse Cable Limiter		Conductor Size		Terminal Material (Aluminum or Copper)		Type of Termination

DESCRIPTION			CATALOG NUMBER	
			Cable Type	
Type	Termination	Cable Size	COPPER	ALUMINUM
1	 Cable to Cable	4/0 250MCM 350MCM 500MCM 750MCM	LFCL4/0C1 LFCL250C1 LFCL350C1 LFCL500C1 LFCL750C1	LFCL4/0A1 LFCL250A1 LFCL350A1 LFCL500A1 LFCL750A1
3	 Cable to Offset Bus	4/0 250MCM 350MCM 500MCM 750MCM	LFCL4/0C3 LFCL250C3 LFCL350C3 LFCL500C3 LFCL750C3	LFCL4/0A3 LFCL250A3 LFCL350A3 LFCL500A3 LFCL750A3
5	 Straight Bus to Offset Bus	4/0 250MCM 350MCM 500MCM 750MCM	LFCL4/0C5 LFCL250C5 LFCL350C5 LFCL500C5 LFCL750C5	
6	 Mole to Cable	4/0 250MCM 350MCM 500MCM 750MCM	LFCL4/0C6 LFCL250C6 LFCL350C6 LFCL500C6 LFCL750C6	LFCL4/0A6 LFCL250A6 LFCL350A6 LFCL500A6 LFCL750A6
8	 Mole to Offset Bus	4/0 250MCM 350MCM 500MCM 750MCM	LFCL4/0C8 LFCL250C8 LFCL350C8 LFCL500C8 LFCL750C8	

Contact factory for shrink tubing availability.