

Catalog Number UCL (25XX – 75XX) 600Vac or Less
Catalog Number UCLA 250Vac or Less

Catalog Number*	AC Volts Rating	Copper Cable Size	Cable Terminals Available
UCL25XX ⁽¹⁾	600	250MCM	T = Copper crimp tube O = Bolt-on blade offset from center B = Bolt-on blade, centered
UCL35XX ⁽¹⁾	600	350MCM	
UCL50XX ⁽¹⁾	600	500MCM	
UCL75XX ⁽¹⁾	600	750MCM	
UCLA	250	2/0 or 3/0 ⁽²⁾	Bolt-on blade, one end offset from center

*Contact Edison Customer Satisfaction for availability, limiters not shown, latest data or information.

⁽¹⁾ Choose terminals from "Cable Terminals Available" column to complete catalog number. EXAMPLE: "UCL-25TO" is rated for a "25" 250MCM copper cable and has a "T" tube for crimping and an "O" bolt-on blade, offset from center. Any combination of the three terminals may be selected.

⁽²⁾ A 4/0 aluminum cable may be used with a copper blade-to-aluminum cable connector.

Benefits:

- Cable limiters help to maintain electrical service by minimizing cable damage due to short circuit currents.
- Isolates faulted cable(s) in multiple cables per phase installations.
- Several cable termination types available.

Applications:

- Residential: 250Vac limiters can be used to protect individual service cables tapped from a single transformer.
- Non-Residential: 600Vac cable limiters should be specified to protect parallel service cables in 120/208Vac, 277/480Vac etc. systems.

Cable Limiter Specifications

Voltage Rating: UCL25XX – 75XX, 600Vac
UCLA, 250Vac

Cable Ratings: 250MCM to 750MCM Cu - 600Vac
2/0 or 3/0 Cu - 250Vac
4/0 Al - 250Vac (Cu/Al terminal required)

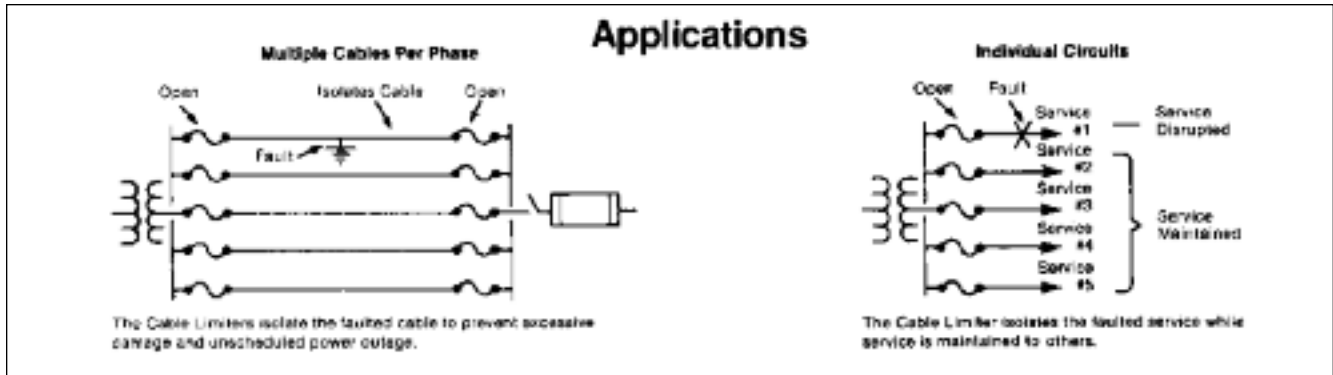
Interrupting Rating: 600V - 200kA RMS
250V - 100kA RMS

Current Limiting

CROSS REFERENCE			
VOLTS	EDISON	GOULD	LITTELFUSE
250	UCLA	—	—
250	UCLC	—	—
600	UCL25TO	CP250C3	LFCL250C3
600	UCL25BO	CP250C5	LFCL250C5
600	UCL25TT	CP250C1	LFCL250C1
600	UCL35TO	CP350C3	LFCL350C3
600	UCL35BO	CP350C5	LFCL350C5
600	UCL35TT	CP350C1	LFCL350C1

CROSS REFERENCE			
VOLTS	EDISON	GOULD	LITTELFUSE
600	UCL50TO	CP500C3	LFCL500C3
600	UCL50BO	CP500C5	LFCL500C5
600	UCL50TT	CP500C1	LFCL500C1
600	UCL75TO	CP750C3	LFCL750C3
600	UCL75BO	CP750C5	LFCL750C5
600	UCL75TT	CP750C1	LFCL750C1

Copper Cable Limiters (600Vac)
Copper/Aluminum Cable Limiters (250Vac)



Application of Cable Limiters:

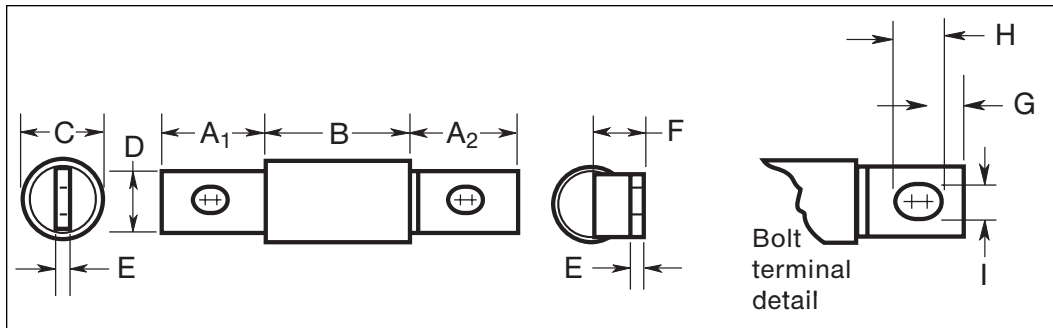
By industry definition, cable limiters do not provide overload protection. Class J and Class L fuses for three or more cables-per-phase applications should be considered if overload protection is a concern. This may also be a desirable consideration for aluminum cable using suitable connectors.

Cable limiters applied in utility networks and building power system main parallel service cables are primarily intended to isolate faults in multiple-cables-per-phase installations. This prevents total power outages until maintenance of faulted cable(s) can be scheduled. During the process of opening under fault conditions to isolate faulted cable(s), limiters current limiting action reduces potential for excess heat damage to unfaulted cables.

For applications having three or more parallel cables-per-phase, cable limiters are installed at each end of each cable. For nonparallel or multiple radial cables, limiters may successfully be applied at the source end of each cable for fault isolation.

When analyzing cable limiter potential applications, it is not unusual to forget that normal and abnormal current through cable limiters is divided just as it is between cables. Selectivity with upstream overcurrent protection devices is seldom of concern. When designing for cable limiter fault isolation to prevent a burn down or unscheduled blackout by one faulted cable, it is desirable to determine the continuous rating load (3 hours or more) that the remaining cables must handle without overheating.

Dimensions - inches
Cable Limiters 250V or Less AC



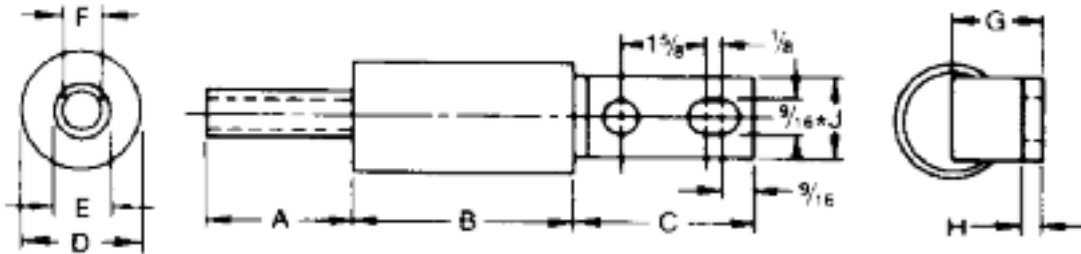
Cat. No. UCLA

Catalog Symbol	Copper Cable Size	Aluminum Cable Size	A ₁	A ₂	B	C	D	E	F	G	H	I
UCLA	2/0AWG	4/0AWG	1.06 (27.0)	1.19 (30.2)	1.44 (36.5)	1.00 (25.4)	0.75 (19.0)	0.12 (3.2)	0.56 (14.3)	0.19 (4.8)	0.59 (15.1)	0.41 (10.3)

Cable Limiters 600V or Less AC

Dimensions are shown in inches.*

Tube-Offset Blade (TO)**



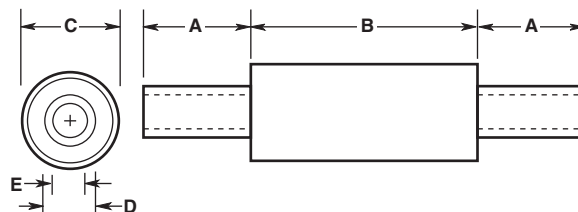
Catalog Number	Copper Cable Size*	A	B	C	D	E	F	G	H	J
UCL25TO	250 MCM	1-7/8	3-5/8	3-3/8	1-7/16	3/4	19/32	31/32	1/4	1-1/8
UCL35TO	350 MCM	2			1-5/8	7/8	45/64	1-1/16		1-5/8
UCL50TO	500 MCM	2-7/8	1-7/8	1-1/16	53/64	1-3/16	2			
UCL75TO	750 MCM	3-1/2	3-3/4	3-1/2	2-1/2	1-5/16	1-1/16	1-1/2		

Center Blade-Offset Blade (BO)**



Catalog Number	Copper and Aluminum Cable Size*	A	B	C	D	E	F	G
UCL25BO	250 MCM	3-3/8	3-5/8	1-7/16	1-1/8	1-1/8	31/32	1/4
UCL35BO	350 MCM			1-5/8			1-1/16	
UCL50BO	500 MCM	1-7/8	1-1/2	1-5/8	1-3/16			
UCL75BO	750 MCM	3-1/2	3-3/4	2-1/2	2	2	1-1/2	

Tube-Tube (TT)



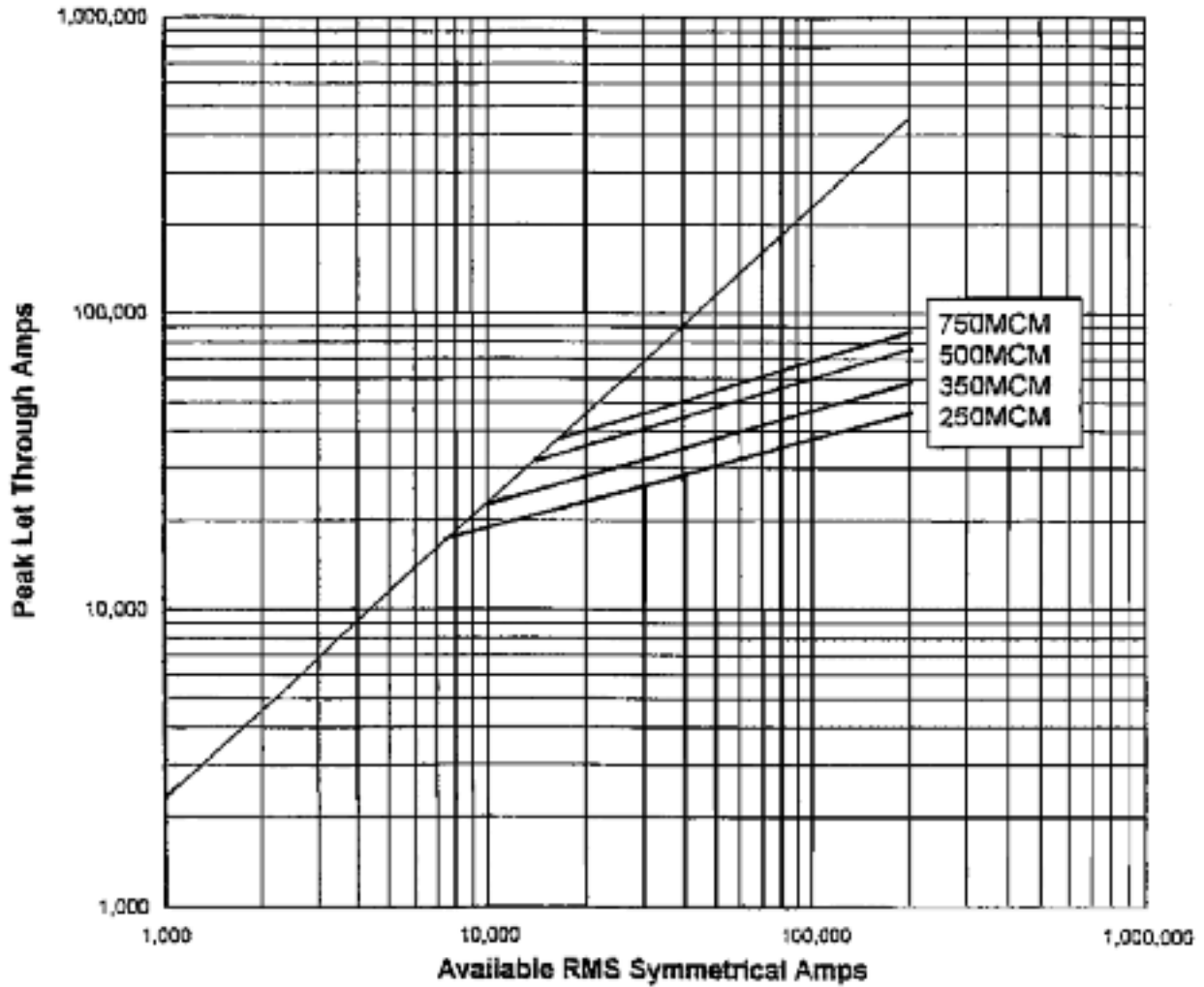
Catalog Number	Copper Cable Size*	A	B	C	D	E
UCL25TT	250 MCM	1-7/8	3-5/8	1-7/16	3/4	19/32
UCL35TT	350 MCM	2		1-5/8	7/8	45/64
UCL50TT	500 MCM	2-7/8	1-7/8	1-1/16	53/64	
UCL75TT	750 MCM	3-1/2	2-7/8	2-1/2	1-5/16	1-1/16

*Limiter terminals are silver plated copper.
**Dimensions of "TT", "OO", "TB", etc., terminals are determined by matching appropriate dimensions shown.

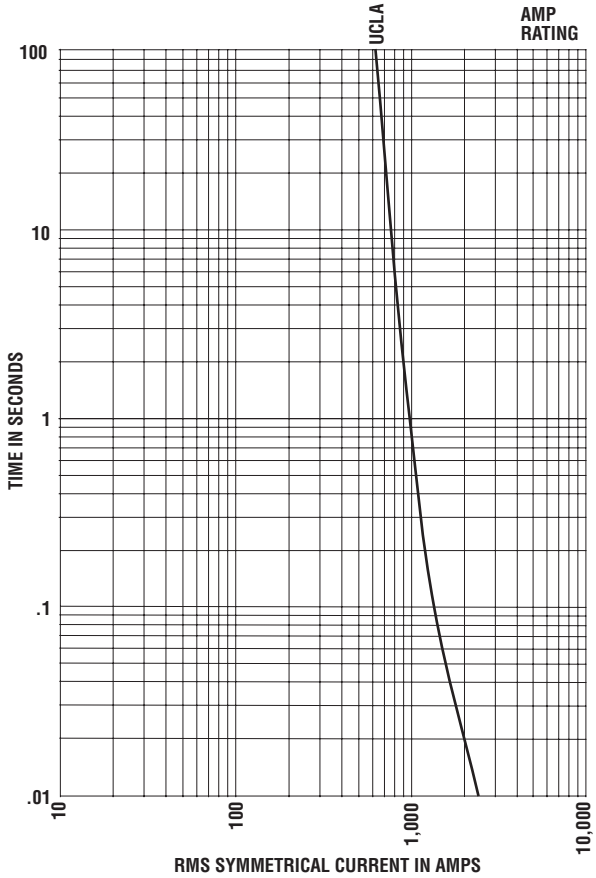
Average Time-Current Curve

Cat. No. UCL-(XXXX)-600Vac

**Peak Let-Through Curve
Edison Copper Cable Limiters**

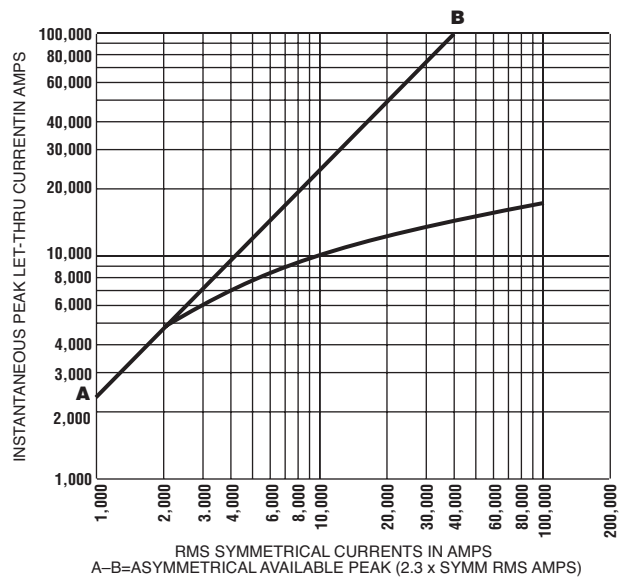


Average Time-Current Curve



Peak Let-Through Current Curve

Cat. No. UCLA and 250V



UL/CSA Fuses
Current Limiting

UL/CSA Fuses
General Purpose

Special
Purpose Fuses

Canadian
Fuses & Holders

Medium
Voltage Fuses

Fuse Blocks,
Holders & Misc.

Surge Protective
Devices

Application
Section