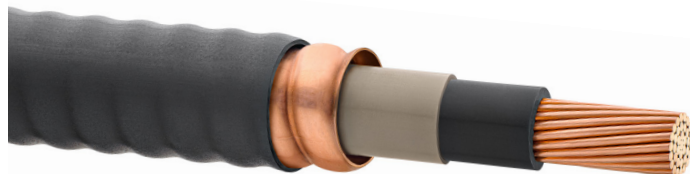




## Lifeline® MC LSZH: Two-Hour Fire-Resistive Single Conductor Cables – UL 2196

Fire-Resistive Cable for Survivability in a Fire



### Applications

Lifeline® MC LSZH fire-resistive single conductor cables were designed to meet and have successfully passed the two-hour fire rating certification test per UL 2196, *Standard for Tests for Fire-Resistive Cables*.

**Lifeline® MC LSZH Single Conductor Cables can be used in the following applications to provide survivability during a fire:**

- Emergency Feeder Cables
- Ventilating Fans
- Exit Lighting
- Emergency lighting and ventilation for roadway and transit tunnels

Lifeline® MC LSZH Single Conductor Cables are economical options for several life safety fire-resistive applications in roadway and tunnel environments with a LSZH jacket to protect against corrosion.

Fire-resistive cables are required per NFPA 70, Articles 517, 695, 700, 708, 728 and 760 as well as NFPA 72 and NFPA 101.



**RoHS  
COMPLIANT**

### Specifications and Ratings

- Listed to UL 1569, *Metal Clad Cables*, as the following type:
- Type MC 600 Volt, Rated 90°C and -40°C
- For Wet Locations
- For Cable Tray Use IEEE 1202/ FT4 Rated, ST1 Limited Smoke
- Sunlight Resistance
- Direct Burial
- Classified to UL 2196, *Standard for Tests for Fire-Resistive Cables*, for two-hours installations
- Electrical Circuit Integrity System (FHIT) No. 50 of the UL Fire Resistance Directory
- NFPA 70, NFPA 101, NFPA 130, NFPA 502 compliant
- Corrugated Copper Armor meets Equipment Grounding Conductor requirements of NEC Table 250.122

### Design Parameters

**CONDUCTOR:** Bare stranded copper, 1/0 AWG through 750 kcmil

**INSULATION:** Ceramifiable Silicone Zero Halogen (LSZH)

**INNER BINDER JACKET:** Ceramifiable Silicone Zero Halogen (LSZH)

**ARMOR:** Continuously Welded and Corrugated Copper

**JACKET:** Thermoplastic Flame Resistant LSZH Jacket

### IDENTIFICATION:

Lifeline® MC Jacketed Cables are marked as follows:  
 DRAKA MA P/N [#####] [Y] / [Z] LIFELINE (UL) E66840T  
 MC 600V 90C WET LOCS FOR CT USE IEEE 1202/FT4 ST1 SUN  
 RES DIR BUR (UL) R19359 FRR 2HR UL 2196 ELECTRIC CIRCUIT  
 INTEGRITY SYSTEM FHIT#50 600V UTILIZATION (MONTH/  
 YEAR) (SEQUENTIAL FOOTAGE)

Notes: [#] is cable part number

[Y] is the size of the cable in AWG or kcmil

[Z] is the size of the cable in mm<sup>2</sup>

### Prysmian Group

4 Tesseneer Drive | Highland Heights, KY 41076 | website: [na.prysmiangroup.com/lifeline](http://na.prysmiangroup.com/lifeline)

### Sales and Distribution:

22 Joseph E. Warner Blvd. | North Dighton, MA 02764 | +1-508-822-5444

## Lifeline® MC LSZH: Two-Hour Fire-Resistive Single Conductor Cables – UL 2196

Fire-Resistive Cable for Survivability in a Fire

### Lifeline® MC LSZH Single Conductor Power Cable

LIFELINE® Part Number	Conductor Size AWG / MCM	Nominal Core Diameter (in)	Nominal Armor Diameter (in)	Nominal Jacket Diameter (in)	Ampacity* 75°C Amps	Ampacity* 90°C Amps
LMCJ011/0	1/0	0.65	0.91	1.01	206	235
LMCJ012/0	2/0	0.69	0.97	1.07	239	271
LMCJ013/0	3/0	0.74	1.08	1.18	276	315
LMCJ014/0	4/0	0.80	1.18	1.28	324	368
LMCJ01250	250	0.87	1.26	1.36	361	411
LMCJ01350	350	0.98	1.35	1.45	448	510
LMCJ01400	400	1.03	1.40	1.50	485	553
LMCJ01500	500	1.11	1.58	1.70	560	638
LMCJ01600	600	1.22	1.79	1.91	624	711
LMCJ01750	750	1.32	1.79	1.91	720	785

\* Ampacities are based on Table 310.15(B)(20) of the National Electric Code (NEC) NFPA 70-2017 for not more than three single insulated conductors; corrected to 30°C ambient based on Table 310.15(B)(2)(b)

The above dimensions are approximate and subject to normal manufacturing tolerances. Information subject to change

© DRAKA - A Brand of The Prysmian Group. 2019 All Rights Reserved. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed correct at the time of issue. Prysmian Group reserves the right to amend any specifications without notice. These specifications are not contractually valid unless authorized by Prysmian Group. Issued August 2019.