

The logo for VITALink, featuring a stylized flame icon inside a circle to the left of the word "VITALink" in a red, serif font.

VITALink[®] MC POWER CABLE

2-Hour Fire Rated Cable

VITALink[®] MC power cable is listed by UL as 2-Hour Fire Rated when installed in accordance with RSCC installation procedures and system listings. This cable meets the requirements of an “Electrical Circuit Protective System” as referred to in Articles 695 and 700 of the 2-Hour National Electrical Code (NEC). The details of this system appear in Electrical Circuit Integrity System (FHIT), System No. 120 of the UL Fire Resistance Directory.

APPLICATIONS

The power cable supports the following critical systems:

- Emergency Ventilation
- Emergency Lighting
- Fire Pump Feeders
- Emergency Generator Feeders

PERFORMANCE STANDARDS

- UL listed, NEC Type MC in accordance with UL Standard 1569
- 2-Hour Fire Rated per UL standard 2196 following ASTM E119 (1,850°F with water hose stream)
- Electrical Circuit Integrity Systems (FHIT) — System No. 120 of the UL Fire Resistance Directory
- Exceeds NEC Article 695 & 700 fire endurance requirements
- Rated FT-4 / IEEE 1202 Vertical Flame test; -ST1, limited smoke
- For use in wet locations to 90°C
- Armored with copper sheath that exceeds the NEC requirement for equipment grounding conductor



The VITALink CIC logo is centered in the middle of the page. It consists of a circular icon on the left containing a stylized flame, followed by the word "VITALink" in a large, red, serif font with a registered trademark symbol (®) to its upper right. To the right of "VITALink" is the acronym "CIC" in a bold, black, sans-serif font.

2-Hour Fire Rated Cable

VITALink® Cable is designed to support Life and Fire Safety. This cable offers “survivability” for 2-Hours in harsh environments while being fully operational in order for safe evacuation of building occupants. It has achieved riser rating (FPLR) and re-certified under the new UL 2196 guidelines for 2-hour fire resistive cables for use in FHIT system 40.

APPLICATIONS

- (EVAC) Emergency Voice-Alarm Communication Smoke and Fire Alarm Systems
- Fireman’s Telephone and Area of Refuge Communication Systems
- Visible Notification Appliances

PERFORMANCE STANDARDS

- Certified to ANSI/UL 2196 (Tests for Fire Resistive Cables) per UL FHJR.R27557
- UL listed Type FPLR per UL 1424
- UL Listed Type CMR per UL 444
- UL Listed Type CL3R per UL 13
- Riser rated per UL 1666
- 300 volts rated per NEC
- Sunlight Resistant and Wet Location Rated
- Low Smoke, Zero Halogen
- California State Fire Marshal Approved

product information



OFFICE LOCATIONS

Atlanta • Boston • Charlotte • Chicago • Denver • Houston • Los Angeles
Philadelphia • San Francisco • St. Louis • Tampa

CONTACT US

website: omnicable.com • phone: (800) 292-OMNI



VITALink[®] FAQ

2-Hour Fire Rated Cable

Omni Cable now stocks RSCC's VITALink[®] MC power cables. These cables are listed by UL as 2-Hour Fire Rated when installed in accordance with RSCC's installation procedures and system listings. Check out the frequently asked questions (FAQ) about this cable below. If you have additional questions, please contact your Account Manager.

1. Do I need a ground wire?

Not usually. The armor of VITALink[®] MC is copper and exceeds the requirements in NEC Table 250.122 Minimum Size Equipment Grounding Conductors. There may be circumstances where oversized grounds are required. Check with your Omni Cable Account Manager to find the grounding value of your specific size.

2. Can I run this just like a standard MC cable according to the NEC?

Yes, although if you want it to be approved as a 2-Hour Fire Rate Cable, you must install it in accordance with the UL Certification FHIT 120 and RSCC's instructions.

3. I thought all 2-Hour Fire Rated Cables were suspended by UL.

UL did suspend the listing of all 2-Hour Fire Rated Cables, but RSCC has requalified VITALink[®] MC as a 2-Hour Fire Rate Cable by UL. RSCC always maintained their status as a 2-Hour Fire Rated Cable with FM.

4. Can you run VITALink[®] MC vertically?

Yes, VITALink[®] MC is approved for use vertically and horizontally. VITALink[®] is a fully qualified system that can be easily installed using standard installation methods for MC cables.

5. The armor is copper, what kind of connectors should I use?

RSCC recommends using standard MC connectors which are either brass, stainless, or nickel so there are not concerns for dissimilar metals.

6. Three or four conductor 500 MCM are big cables to manage on my job site, is there any way to make it easier?

VITALink[®] comes in single conductors which can be run together in a triangle (3) or square (4) bundle as described in NEC Article 330.80 (B). This also allows for greater current carrying capability.

7. Does VITALink[®] MC come in singles in all sizes?

VITALink[®] MC is available in singles for 1/0 and larger. Smaller sizes are only available in multiple conductor configurations.

8. Where can I buy VITALink[®] MC?

Call your local electrical distributor and have them contact Omni Cable. At Omni Cable, we stock sizes to help you complete your project immediately.



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