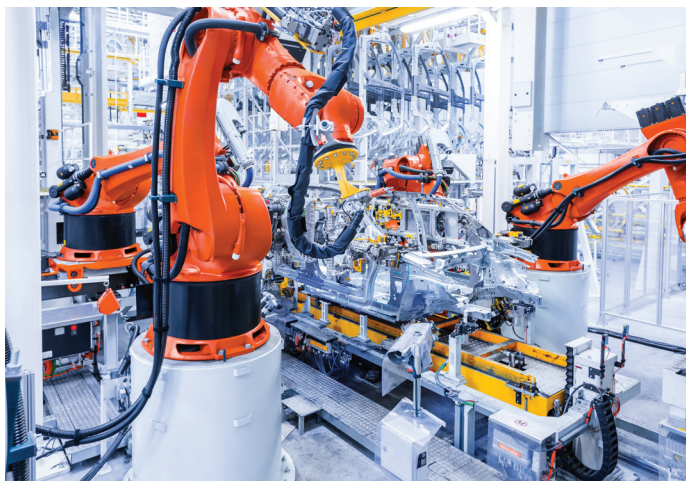


# Rock-Barrier

## Featuring SIMTRA® Ferrite-Barrier Technology

*The Single Pathway Advantage*



Marmon Electrical

A Berkshire Hathaway Company



## About Rock-Barrier

Rock-Barrier combines power with low-voltage communication and control cables in a single pathway providing considerable cost savings, reducing both labor and materials needed for installation. The cable is designed with patented SIMTRA® ferrite-barrier technology, providing protection from electrical transients, interference, or other disturbances emanating from power cables.

Rock-Barrier low smoke zero halogen (LSZH) insulation and jacket compounds are radiation cross-linked providing outstanding physical properties, including resistance to low and high temperatures, sunlight, and flame.

## Applications

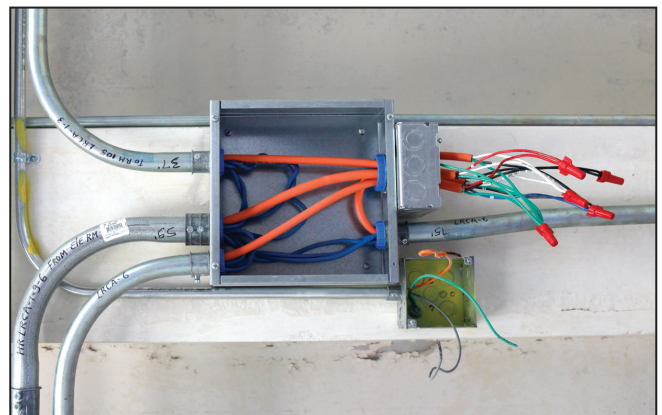
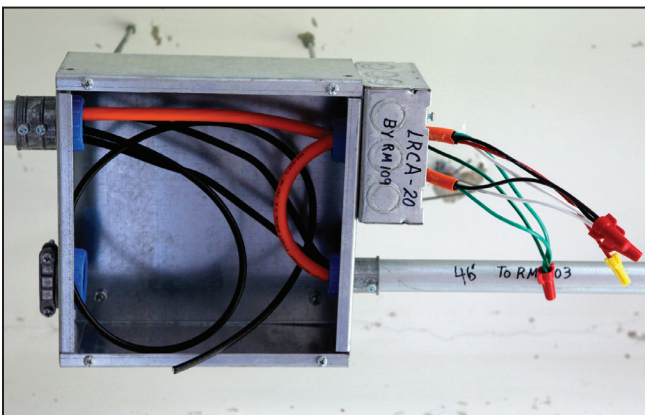
- Power and IP/control/signal/AV/audio/access control/digital signage and lighting
- Power and data for any electrical low voltage communication system
- Power and communication for control, industrial, and building automation
- Retrofitting existing infrastructure as well as new construction
- Specialty OEM applications that require noise immunity and converged technologies

## Listings & Standards

- Operating temperature range -40°C to 90°C
- UL listed Type TC or Type TC-ER (Type TC-ER pending)
- UL 1685 IEEE 1202/FT4
- UL 1277 Dual Rated 600/1000V
- UL VW-1 for single conductors (10 AWG or larger)
- Sunlight resistant per UL 1277 and UL 2556

## Performance Advantages

- EMI and RFI protection eliminating the need for traditional shielding of circuits
- Improved overall system performance compared to traditional cabling technology
- Shared pathways reducing the number of raceways/conduits saving time and money
- Increased system flexibility for future changes and upgrades
- Lower cost of installation for new construction and retrofitting
- Irradiation technology provides better abrasion resistance and increased operating temperatures
- Featuring superior chemical resistance and mechanical properties, including higher flame retardance



**Save 10-30% with Rock-Barrier  
on labor and materials for your next electrical job**

## Multi-Conductor Power Cable - LSZH\*

Product Code	Conductor Size	Number of Conductors	Number of Strands	Nominal O.D. (in) (mm)		Cable Weight (lbs./1000')
RB03014-000	14 AWG	3	41	0.433	10.99	129
RB03012-000	12 AWG	3	65	0.469	11.91	162
RB03010-000	10 AWG	3	105	0.555	14.08	235
RB04014-000	14 AWG	4	41	0.467	11.86	154
RB04012-000	12 AWG	4	65	0.508	12.90	198
RB04010-000	10 AWG	4	105	0.600	15.24	289
RB05014-000	14 AWG	5	41	0.504	12.80	181
RB05012-000	12 AWG	5	65	0.580	14.73	252
RB05010-000	10 AWG	5	105	0.650	16.51	345

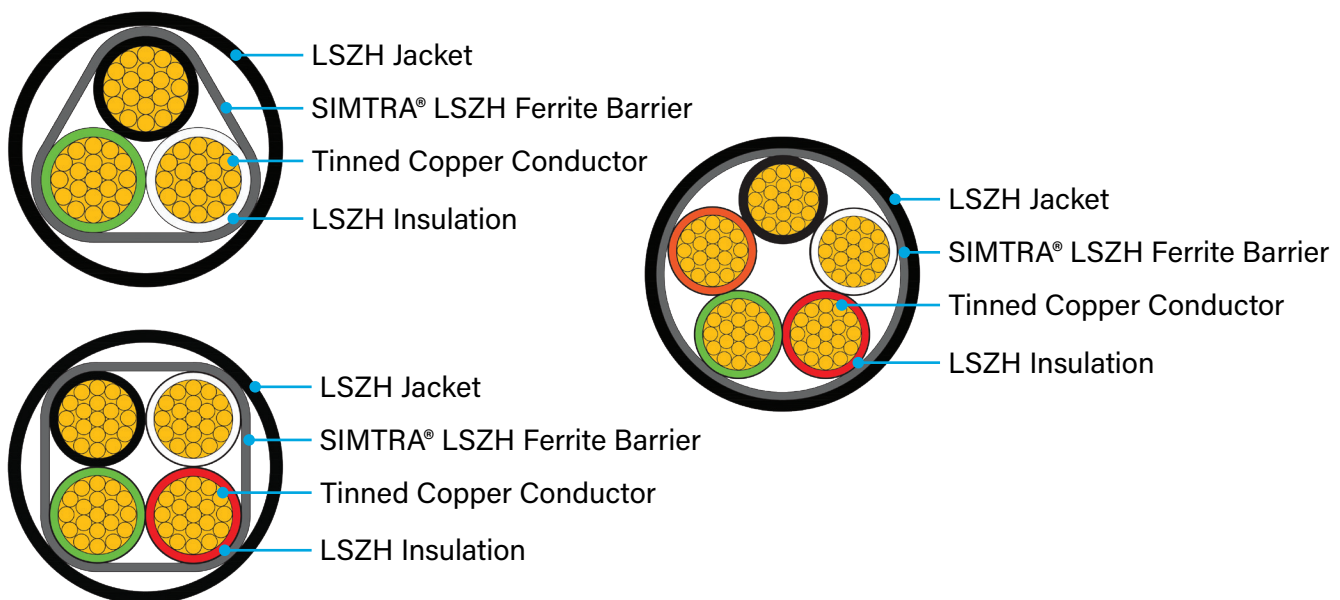
\*Other designs are available upon request. Please contact your RSCC sales representative to learn more.

### What is SIMTRA® ferrite-barrier technology?

Electromagnetic interference issues happen unpredictably causing unwanted performance effects to communication and control systems. SIMTRA® ferrite-barrier technology is a permanent physical nonconductive insulating barrier surrounding one or more current-carrying conductors. At the same time, virtually eliminating electromagnetic fields and transient interferences imposed on or emanating from those conductors.

Some of the key benefits of ferrite include:

- Absorbs high voltage transient spikes
- Absorbs high voltage surge events
- Negates galvanic and electrostatic interference intended to prevent voltage coupling of one energized electrical system to another
- Absorbs electromagnetic and radio frequency interference (EMI and RFI)
- Functions as a virtual Faraday cage, absorbing electrical charges
- A physical nonconducting insulating barrier, no grounding required unlike traditional shields
- No noise coupling onto communication and control cabling, data transmission remains unaffected



Note: Other color sequences are available upon request.



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*RSCC Wire & Cable has authorized usage to the SIMTRA® trademark and compound.*



Made in the USA