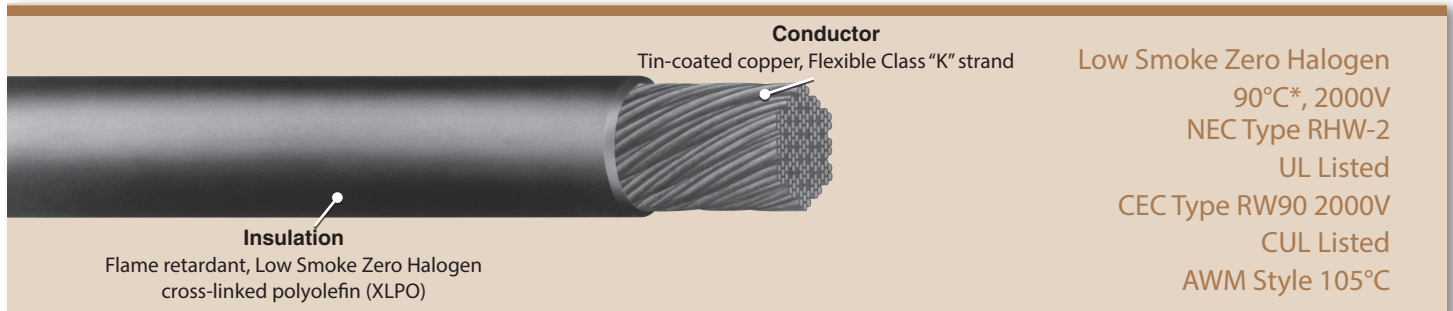


Rock-Flex[®] DLO K

Diesel-Locomotive Cable

RSCC Industrial Cable

www.r-scc.com



Features

- Flexible Class K tinned copper conductor for improved terminations and corrosion resistance
- Low Smoke Zero Halogen design (LSZH)
- RoHS/REACH compliant and lead free.
- Irradiated thermoset insulation for enhanced thermal stability.
- Proprietary single-pass insulating/jacketing process allows for a significant overall diameter reduction (>12 - 15%) over standard two-pass designs saving valuable space in cabling pathways and providing an overall cost reduction
- Specially formulated insulation for superior two (2) years long term water resistance
- Superior flame and abrasion resistance
- Excellent mechanical properties including Abrasion, Notch Propagation, Cut Through and Heat Deformation
- Ease of strippability, no separator tape over conductor
- Low friction surface for reduced pulling tension
- Can be installed in Conduit, Duct, Raceway, Aerial or Direct Burial (when dual rated as Type USE-2)
- Can be used in -40°C to +125°C applications

Performance Standards

- Listed as UL RHW-2 / cUL RW90 Per UL 44, 90°C Wet or Dry
- UL listed as IEEE 1202/FT4-ST1 (limited smoke) per UL 2556/UL 1685 as specified in NFPA 130-2020
- UL listed for sunlight resistance (black only)
- UL listed as VW-1, gasoline and oil resistant
- Passes ICEA 70,000 BTU/hour vertical tray flame test (T-30-520)
- Passes vertical flame test Type A as defined in ICEA S-95-658-1999 sec. 6.8.2
- For tray installation, 1/0 AWG and larger (CT USE) and equipment grounding conductor 4 AWG and larger
- AWM 3578 105C 600V per UL subject 758
- AWM 3237 105C 1000V per UL subject 758
- UL 2806 listed as Heavy Duty flexible power cable HDFPC
- LOI > 40% Oxygen
- Complies with IEC 60754-1, IEC 60754-2, IEC 60332-3-24, IEC 61034-2, IEC 60332-1-2, CPR Class Eca (CE mark)
- MSHA Approved (8 AWG and larger) P-07-KA200005

* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

Scope

Rock-Flex[®] DLO is a single conductor, power cable utilizing flexible Class K conductor suitable for use in applications requiring greater flexibility, robust mechanical properties and superior flex life. Applications include locomotive and car equipment, motor and generator leads, battery leads, shipyards, telecommunications power, heavy earth moving equipment, renewable energy and other heavy duty flexing applications. LSZH insulation is preferred for highly occupied environments or areas with large concentrations of equipment since it considerably reduces the amount of toxic and corrosive gas emitted during combustion.

Construction

Conductor: Annealed, tin-coated copper, class "K" strand per ASTM B33, B172 & B174

Insulation: Flame retardant low Smoke Zero Halogen cross-linked polyolefin

Color: Colors available upon request



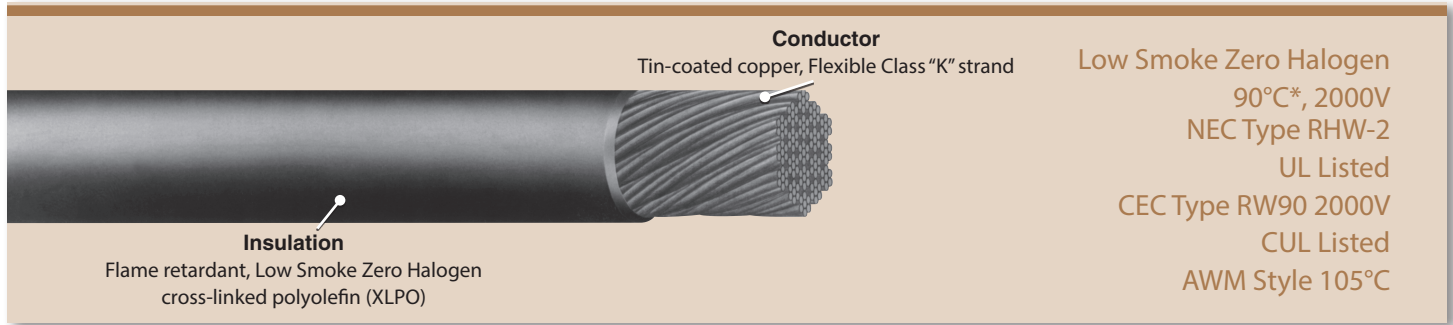
Made in the USA



Marmon Electrical
A Berkshire Hathaway Company

Rock-Flex® DLO K Diesel-Locomotive Cable

RSCC Industrial Cable
www.r-scc.com



| Product Code | Conductor Size | Number of Strands | Conductor OD (in) | Conductor OD (mm) | Insulation Thickness (in) | Insulation Thickness (mm) | Nominal Overall Diameter (in) (mm) | | Approximate Net Weight (Lbs/M') | Ampacity** |
|--------------|----------------|-------------------|-------------------|-------------------|---------------------------|---------------------------|------------------------------------|-------|---------------------------------|------------|
| EZ01014-700 | 14 AWG | 41 | 0.069 | 1.75 | 0.060 | 1.52 | 0.192 | 4.87 | 29 | 35 |
| EZ01012-700 | 12 AWG | 65 | 0.086 | 2.18 | 0.060 | 1.52 | 0.209 | 5.31 | 39 | 40 |
| EZ01010-700 | 10 AWG | 105 | 0.112 | 2.84 | 0.060 | 1.52 | 0.235 | 5.97 | 55 | 55 |
| EZ01008-700 | 8 AWG | 168 | 0.159 | 4.04 | 0.070 | 1.78 | 0.303 | 7.69 | 89 | 80 |
| EZ01006-700 | 6 AWG | 252 | 0.195 | 4.95 | 0.070 | 1.78 | 0.338 | 8.58 | 119 | 105 |
| EZ01004-700 | 4 AWG | 392 | 0.243 | 6.17 | 0.070 | 1.78 | 0.387 | 9.83 | 170 | 140 |
| EZ01003-700 | 3 AWG | 532 | 0.282 | 7.16 | 0.070 | 1.78 | 0.426 | 10.82 | 221 | 165 |
| EZ01002-700 | 2 AWG | 616 | 0.305 | 7.75 | 0.070 | 1.78 | 0.449 | 11.40 | 251 | 190 |
| EZ01001-700 | 1 AWG | 836 | 0.355 | 9.02 | 0.090 | 2.29 | 0.539 | 13.71 | 353 | 220 |
| EZ011X0-700 | 1/0 AWG | 988 | 0.386 | 9.80 | 0.090 | 2.29 | 0.571 | 14.50 | 408 | 260 |
| EZ012X0-700 | 2/0 AWG | 1235 | 0.432 | 10.97 | 0.090 | 2.29 | 0.617 | 15.66 | 494 | 300 |
| EZ013X0-700 | 3/0 AWG | 1558 | 0.485 | 12.32 | 0.090 | 2.29 | 0.669 | 17.01 | 608 | 350 |
| EZ014X0-700 | 4/0 AWG | 1995 | 0.549 | 15.09 | 0.090 | 2.29 | 0.734 | 18.64 | 760 | 405 |
| EZ01250-700 | 250 KCMIL | 2356 | 0.597 | 15.16 | 0.105 | 2.67 | 0.812 | 20.62 | 909 | 455 |
| EZ01262-700 | 262 KCMIL | 2442 | 0.605 | 15.37 | 0.105 | 2.67 | 0.820 | 20.82 | 942 | 467 |
| EZ01350-700 | 350 KCMIL | 3256 | 0.702 | 17.83 | 0.105 | 2.67 | 0.916 | 23.28 | 1235 | 505 |
| EZ01373-700 | 373 KCMIL | 3367 | 0.713 | 18.11 | 0.105 | 2.67 | 0.928 | 23.56 | 1294 | 591 |
| EZ01444-700 | 444 KCMIL | 3996 | 0.783 | 19.89 | 0.105 | 2.67 | 0.998 | 25.35 | 1562 | 652 |
| EZ01500-700 | 500 KCMIL | 4736 | 0.846 | 21.49 | 0.105 | 2.67 | 1.061 | 26.94 | 1747 | 700 |
| EZ01535-700 | 535 KCMIL | 4880 | 0.859 | 21.82 | 0.120 | 3.05 | 1.105 | 28.07 | 1859 | 728 |
| EZ01600-700 | 600 KCMIL | 5612 | 0.922 | 23.41 | 0.120 | 3.05 | 1.168 | 29.67 | 2052 | 780 |
| EZ01646-700 | 646 KCMIL | 6466 | 0.955 | 24.26 | 0.120 | 3.05 | 1.201 | 30.51 | 2167 | 815 |
| EZ01777-700 | 777 KCMIL | 6954 | 1.025 | 26.04 | 0.120 | 3.05 | 1.271 | 32.29 | 2525 | 904 |

* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

** Ampacities are based on 2020 NEC Table 310.17 at 30°C Ambient in Free Air.

The catalog part numbers are for Black insulation. Use the following designation for other colors 2-Red, 5-Green, 6-Blue, 8-Gray. For Example: 1/2 6 AWG Red part number is EZ01006-700

RSCC Rock-Flex® DLO LSZH 1/2 6 AWG 252/30 (UL) TYPE RHW-2 ST1 PR 1 GR 1 VW-1 FT4 IEEE 1202 -40C HDFPC 2000V or AWM 3578 105C 600V or AWM 3237 105C 1000V cUL RW90 FT4 IEEE 1202 ST1 -40C 2000V MSHA P-07-KA200005 EZ01006-700"

Sequential footage and date of manufacture



Made in the USA



Marmon Electrical
A Berkshire Hathaway Company