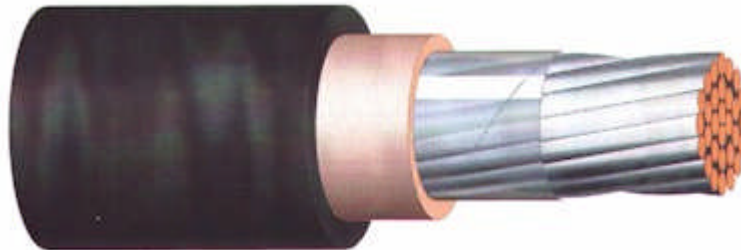




DLO (Diesel Locomotive Cable) UL RHH-RHW Rated 600V - 2kV



APPLICATIONS

These cables are designed for use as motor and power leads where flexibility and portability are required. DLO cables are also suitable for use in wiring diesel-electric locomotives, railroad and transit cars, earth moving equipment, offshore drilling rigs, storage batteries, charging equipment and in sizes 1/0 AWG and larger, flexible wiring for installation in conduit or tray per the NEC.

SPECIFICATIONS

DLO cables meet or exceed all applicable requirements of the following standards:

- ICEA S-75-381, Portable and Power Feeder Cables for use in Mines and Similar applications.
- ASTM B-33, ASTM B-172 & ASTM B-174
- UL Listed as RHH-RHW
- MSHA accepted

CONSTRUCTION

| | |
|-------------|---|
| Conductor: | Flexible stranded tin-coated copper. |
| Separator: | A suitable opaque separator tape used over the conductor to facilitate stripping. |
| Insulation: | EPR (Ethylene-Propylene Rubber) thermosetting compound, 90°C. |
| Jacket: | Black, heavy duty, oil-resistant CPE or CSPE. |

MAXIMUM CONDUCTOR TEMPERATURE

Maximum continuous conductor temperature for normal operation in wet or dry locations is 90 °C (194 °F).

FEATURES & BENEFITS, OPTIONS

- Annealed tinned coated copper, to prevent corrosion and to allow easy connections.
- Excellent flame, heat, ozone, oil and chemical resistance.
- Resistance to tear and abrasion.
- Very flexible and easy to install.

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DLO (Diesel Locomotive Cable)
UL RHH-RHW
Rated 600V - 2kV
Conductor DLO • Industrial Motor Lead Cable
14 AWG - 1111 kcmil •90°C

DIESEL LOCOMOTIVE CABLE RATED 2000 V

| Size (AWG/kcmil) | Conductor | | | Insulation Thickness | | Jacket Thickness | | Overall Diameter | | Net Weight (lbs./1000 ft) |
|---------------------|--------------|-----------|-------|----------------------|------|------------------|------|------------------|------|------------------------------|
| | No. of Wires | Wire size | | mils | mm | mils | mm | Inches | mm | |
| | | AWG | mm | | | | | | | |
| 14 | 19 | 27 | 0.361 | 45 | 1.14 | 30 | 0.76 | 0.224 | 5.7 | 35 |
| 12 | 19 | 25 | 0.455 | 45 | 1.14 | 30 | 0.76 | 0.244 | 6.2 | 45 |
| 10 | 27 | 24 | 0.511 | 45 | 1.14 | 30 | 0.76 | 0.278 | 7.1 | 65 |
| 8 | 37 | 24 | 0.511 | 60 | 1.52 | 30 | 0.76 | 0.327 | 8.3 | 89 |
| 6 | 61 | 24 | 0.511 | 60 | 1.52 | 30 | 0.76 | 0.387 | 9.8 | 130 |
| 5 | 91 | 24 | 0.511 | 60 | 1.52 | 30 | 0.76 | 0.431 | 10.9 | 176 |
| 4 | 105 | 24 | 0.511 | 60 | 1.52 | 30 | 0.76 | 0.451 | 11.4 | 197 |
| 3 | 125 | 24 | 0.511 | 60 | 1.52 | 30 | 0.76 | 0.475 | 12.1 | 227 |
| 2 | 150 | 24 | 0.511 | 60 | 1.52 | 30 | 0.76 | 0.501 | 12.7 | 263 |
| 1 | 225 | 24 | 0.511 | 80 | 2.03 | 45 | 1.14 | 0.647 | 16.4 | 415 |
| 1/0 | 275 | 24 | 0.511 | 80 | 2.03 | 45 | 1.14 | 0.697 | 17.7 | 492 |
| 2/0 | 325 | 24 | 0.511 | 80 | 2.03 | 45 | 1.14 | 0.734 | 18.6 | 564 |
| 3/0 | 450 | 24 | 0.511 | 80 | 2.03 | 45 | 1.14 | 0.812 | 20.6 | 741 |
| 4/0 | 550 | 24 | 0.511 | 80 | 2.03 | 45 | 1.14 | 0.867 | 22 | 881 |
| 262.6 | 650 | 24 | 0.511 | 95 | 2.41 | 65 | 1.65 | 0.987 | 25.1 | 1089 |
| 313.1 | 775 | 24 | 0.511 | 95 | 2.41 | 65 | 1.65 | 1.052 | 26.7 | 1268 |
| 373.7 | 925 | 24 | 0.511 | 95 | 2.41 | 65 | 1.65 | 1.122 | 28.5 | 1479 |
| 444.4 | 1100 | 24 | 0.511 | 95 | 2.41 | 65 | 1.65 | 1.197 | 30.4 | 1734 |
| 535.3 | 1325 | 24 | 0.511 | 110 | 2.79 | 65 | 1.65 | 1.305 | 33.1 | 2081 |
| 646.4 | 1600 | 24 | 0.511 | 110 | 2.79 | 65 | 1.65 | 1.397 | 35.5 | 2461 |
| 777.7 | 1925 | 24 | 0.511 | 110 | 2.79 | 65 | 1.65 | 1.487 | 37.8 | 2903 |
| 929.2 | 2300 | 24 | 0.511 | 110 | 2.79 | 65 | 1.65 | 1.594 | 40.5 | 3417 |
| 1111 | 2750 | 24 | 0.511 | 125 | 3.18 | 65 | 1.65 | 1.756 | 44.6 | 4084 |

DIESEL LOCOMOTIVE CABLE RATED 600 V

| Size (AWG) | Conductor Stranding | Conductor overall diameter Inches | Insulation Thickness (mils) | Jacket Thickness (mils) | Overall Diameter (Inches) | Amps | Net Weight (lbs./1000ft) |
|---------------|------------------------|--|-----------------------------------|-------------------------------|---------------------------------|------|-----------------------------|
| 16 | 26 x .010 | 0.060 | 30 | 30 | 0.180 | 10 | 25 |
| 14 | 41 x .010 | 0.075 | 45 | 30 | 0.225 | 15 | 40 |
| 12 | 65 x .010 | 0.095 | 45 | 30 | 0.245 | 20 | 50 |
| 10 | 104 x 010 | 0.120 | 45 | 30 | 0.270 | 25 | 70 |

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