Dielectric Locomotive Cable 2000 Volts (EPR/XL-CPE)
UL RHH/RHW-2 2000 V and c(UL) RW90 1000 V
Flexible, Oil-, Sunlight- and Ozone-Resistant, Flame-Retardant, -40°C to 90°C

Product Construction:
Conductor:
• 14 AWG (2.08 mm) thru 1111.1 kcmil (562 mm)
  Class I fully annealed flexible stranded tin coated copper per AAR 589
Insulation:
• Flame-retardant, lead-free cross-linked Ethylene Propylene (EP) with separator tape over the conductor to facilitate stripping
Jacket:
• Black, flame-retardant, sunlight-, ozone- and oil-resistant, lead-free Cross-linked Chlorinated Polyethylene (XL-CPE)
Print:
• GENERAL CABLE® (MFG LOCATION) DIESEL Locomotive 2000 V P-07-KAT2000S-MSHA C(UL)US Type RHH OR RHW-2 VW-1 (SIZE)
AWG/kcmil (MM²) EP FOR CT USE* SR -40°C FT4 OR RW90 EP 1000 V ROHS MONTH/YEAR OF
MFG SEQUENTIAL FOOTAGE MARK
*Applicable for sizes 1/0 AWG and larger only

Options:
• Fully annealed, flexible bare copper stranding per AAR 589
• Other jacket colors available upon request

Applications:
• For use up to 2000 V as power cables in wind turbine generator applications per UL Subject 6140
• Diesel electric locomotives
• Mining and earth-moving equipment
• General purpose use as flexible power leads

Applications (cont’d.):
• Flexible power leads in cable trays in sizes 1/0 AWG and larger
• Accepted for listing as flame-resistant by MSHA

Features:
• Rated 90°C wet or dry per UL 44/CSA C22.2-38
• Flexible tinned copper stranding
• Excellent resistance to oils, gear lubricants, ozone, sunlight, heat and flame
• Designed to withstand continuous flexing

Minimum Bend Radius:
• 6X O.D. for fixed installations or mobile applications

Torsion Requirements:
• +/-180° twists per meter for 5,000 cycles at -40°C with cable weight compensated to 18 meters

Compliances:
• Industry Compliances:
  • Type RHH/RHW-2 per UL 44, UL File # E60494
  • c(UL)US Type RW90 per CSA C22.2-38, UL File # E60494

Compliances (cont’d.):
• National Electrical Code (NEC)
• IEC 60332-1/UL 549
• “For CT Use” on 1/0 AWG and larger in accordance with NEC*
• Accepted for listing as flame resistant by MSHA
• RoHS Compliant

Flame Test Compliances:
• UL 2556 VW-1
• IEC 1202/CSA FT4 for sizes 1/0 AWG and larger

AC Withstand Voltage Testing requirements per UL 44:
14 - 10 AWG
8 - 2 AWG
1 - 4/0 AWG
262.6 kcmil - 444 kcmil
535.3 kcmil - 929.9 kcmil
1111.1 kcmil

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>COND. SIZE</th>
<th>NOMINAL COND. O.D.</th>
<th>NOM. INS. THICKNESS</th>
<th>JACKET THICKNESS</th>
<th>APPROX. NET WEIGHT</th>
<th>COND. STRAND</th>
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* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
Electronically Controlled Pneumatic (ECP) Brake Cable
600 V, Two Conductor, Unarmored and Armored

Product Construction:
Conductor:
- 8 AWG soft annealed tinned copper per ASTM B33
Insulation:
- Cross-linked Polyolefin (XLPO) - 125°C
Shield:
- 34 AWG tinned copper braid with drain wire
Jacket:
- Arctic-grade, heavy-duty reinforced Neoprene
Optional Armor:
- Galvanized steel or aluminum
Print:
- AAR ECP BRAKE CABLE S-4210 GENERAL CABLE® (WG) T-75128 2/C 8 AWG 600 V QUARTER/YEAR

Applications:
- Designed specifically for installation both under and between freight cars
- Meets all AAR specification S-4210 requirements

Features:
- 125°C rated Cross-linked Polyolefin (XLPO) insulation allows for routing through higher temperature areas. Insulation is also flexible and free stripping
- Tinned copper braided shield designed for significant EMI/RFI reduction
- Arctic-grade, heavy-duty reinforced neoprene jacket offers the lowest diameter for easier conduit pull and can be used in a ¾" conduit in lieu of 1"; Excellent low-temperature performance suitable for installation in sub-zero conditions. Tough mechanical properties
- Optional galvanized or aluminum armor over the cable jacket allows for conduit-free installations providing significant installed cost savings
- Temperature range of -45°C to +100°C

Compliances:
Industry:
- AAR S-4210
Flame Test:
- IEEE 1202 (70,000 BTU/hr)
- IEEE 383 (70,000 BTU/hr)
- VW-1

ECP BRAKE CABLE

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<th>CATALOG NUMBER</th>
<th>NUMBER OF CONDUCTORS</th>
<th>CONDUCTOR (AWG) SIZE AND STRANDING</th>
<th>NOMINAL INSULATION THICKNESS</th>
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General Cable
Phone: 866.748.7060
www.generalcable.com
**TRANSPower Head-End Power (HEP) 600 V Cables**

**Single-Conductor, 4/0 AWG or Three Conductor, 10 AWG**

**Product Construction**

**Single-Conductor:**
- 4/0 AWG 5320/34 Rope Bare Copper

**Insulation:**
- Thermoplastic Elastomer (TPE)

**Jacket:**
- Reinforced Neoprene – Black

**Ampacity:**
- 400 amps @ 30°C

**Print:**
- GENERAL CABLE® (WC) 600 VOLT 4/0 AWG

**Product Construction**

**Three Conductors:**
- 10 AWG 259/34 Tinned Copper

**Insulation:**
- Thermoplastic Elastomer (TPE)

**Jacket:**
- Neoprene – Black

**Color Code:**
- Black, White, Red

**Print:**
- GENERAL CABLE® (WC) 600 VOLT TRANSPower 3/C 10 AWG

**Applications:**
- Head-End Power cable used in jumper assemblies locomotive-to-locomotive, locomotive-to-car and car-to-car for transmission of 480 V, 3 phase 50/60 Hz.
- Designed for heavy-duty service where severe flexing is encountered

**Features:**
- Rated at 600 V
- Normal operating temperature: -55°C to +90°C
- Extreme temperature resistance during making operation: 375°F
- Excellent flexibility; withstands continuous vibrations.
- Outstanding resistance to moisture, oils and fluids, abrasion, tearing, compression, ozone, sunlight, flame, and heat
- Bend radius:
  - 1/C 4/0 AWG: 3.5” minimum
  - 3/C 10 AWG: 2.75” minimum

**Industry Compliances:**
- Amtrak Specification: D-77-24
- ASTM B172
- UL Standard 82
- IEEA S-85-656/NEMA WC70

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**General Cable**

Phone: 866.248.7060
www.gencable.com