**Uniblend® PVC High Speed**

EPR/Copper Tape Shield/PVC, Medium-Voltage Power, Shielded

5 kV and 8 kV, UL Type MV-105, 133%/100% Ins. Levels, 115 Mils

**Product Construction:**

- **Conductor:** 6 AWG thru 1000 kcmil annealed bare copper compact Class B strand

- **Extruded Strand Shield (ESS):**
  - Extruded thermoset semi-conducting stress-control layer over conductor

- **Insulation:**
  - Lead-free Ethylene Propylene Rubber (EPR) insulation, contrasting in color to the black semi-conducting shield layers

- **Extruded Insulation Shield (EIS):**
  - Thermoset semi-conducting polymeric layer free stripping from insulation

- **Metallic Shield:**
  - 5 mil annealed copper tape with an overlap of 25%

- **Jacket:**
  - Low-friction, lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

**Print:**

- **GENERAL CABLE® (PLANT OF MFG) (MO/YR OF MANUFACTURE) LIGHTNING BOLT SYMBOL 1/C SIZE (AWG OR KCMIL) COMPACT CU UNIBLEND® XLF PVC JKT (INSULATION)

**Print (cont’d.):**

**THICKNESS** EPR TYPE MV-105 (VOLTAGE) KV%

**INSULATION LEVEL SUN RES FOR CT USE (UL) SEQUENTIAL FOOTAGE MARK**

<table>
<thead>
<tr>
<th>CATALOG</th>
<th>NOMINAL CONDUCTOR DIAMETER</th>
<th>NOMINAL JACKET THICKNESS</th>
<th>NOMINAL CABLE</th>
<th>COPPER WEIGHT</th>
<th>AMPLI TY</th>
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</thead>
<tbody>
<tr>
<td>NUMBER</td>
<td>(INCHES)</td>
<td>MIN.</td>
<td>MAX.</td>
<td>DIAMETER</td>
<td>WEIGHT</td>
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<tr>
<td></td>
<td>INCHES mm</td>
<td></td>
<td></td>
<td>INCHES mm</td>
<td>kg/km</td>
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<td>17001.1200S5</td>
<td>0.17</td>
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<td>0.905</td>
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Dimensions and weights are nominal, subject to industry tolerances.

**Features (cont’d.):**

- Excellent flame resistance
- Outstanding corona resistance
- Flexibility for easy handling
- High dielectric strength
- Low moisture absorption
- Electrical stability under stress
- Low dielectric loss
- Chemical-resistant
- Meets cold bend test at -35˚C
- 105˚C rating for continuous operation
- 140˚C rating for emergency overload conditions
- 250˚C rating for short circuit conditions

**Compliances:**

- National Electrical Code (NEC)
- UL 1072
- IEC 60834-639/NEMA WC74
- UL 1865 (Sizes 1/0 AWG and larger) UL Flame Exposure Test
- Sizes 1/0 AWG and larger are listed and marked “Sunlight-Resistant FOR CT USE” in accordance with NEC
- IEEE 1202 (70,000 BTU/hr)/CSA FT4
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

**Packaging:**

- Material cut to length and shipped on non-returnable wood reels. Lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit
- Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and triplexing

**Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.**

*Sizes smaller than 1/0 AWG do not include “FOR CT USE.”

**Note:**

- Sizes smaller than 1/0 AWG do not include "FOR CT USE”.

**Options:**

- STRANDFILL® – blocked conductor. Tested in accordance with ICEA T-31-610

**Applications:**

- Superior performance in petrochemical plants, pulp and paper mills, sewage and water treatment plants, environmental protection systems, railroads, mines, utility power generating stations, steel mills, textile plants and other industrial three-phase applications
- For use in wet or dry locations when installed in accordance with NEC
- For use in aerial, conduit, open tray and underground duct installations
- For use in direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4(A)(5)

**Features:**

- Rated at 105˚C
- Low friction for easy pulling
- Excellent heat and moisture resistance

**Comes in 10,000 lbs. are provided on returnable steel reels that require a deposit.**

**Chemical-resistant**