### GenFree® II High Speed
LSZH XLPO/LSZH XLPO, Low-Voltage Power, Unshielded 600 V, UL Type RHH/RHW-2 LSHF, USE-2 or 1000 V, c(UL) RW90

**Product Construction:**
- **Conductor:**
  - 14 AWG thru 750 kcmil Class B stranded annealed tinned copper per ASTM B8 and B13
  - 14 AWG thru 10 AWG solid annealed tinned copper per ASTM B33

- **Insulation:**
  - Composite Low-Smoke, Zero-Halogen Cross-linked Polyolefin (LSZH XLPO) colored for contrast with black Low-Smoke, Zero-Halogen Cross-linked Polyolefin (LSZH XLPO)

- **Options:**
  - Other stranded available
  - Colors available upon request

- **Applications:**
  - Suitable for use in populated confined spaces such as auditoriums, arenas, health care facilities and public transit facilities where more stringent specifications for flame, smoke and toxicity emission levels are desired
  - For use in raceways and cable trays for service, feeder and branch circuits in accordance with the NEC®

**Canadian Electric Code, NFPA 70 and NFPA 502**

**Features:**
- Rated at 90°C wet or dry
- Low-Smoke, Zero-Halogen insulation reduces toxic emissions under fire conditions
- High Speed low friction technology for easy cable pulling
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance, exceeding UL 44 requirements
- Excellent resistance to crush, compression cuts and heat deformation
- Excellent flame resistance
- Oil and chemical resistant
- UV-resistant
- Stable electrical properties over a broad temperature range
- Meets cold bend and cold impact test at -40°C

**Compliances:**
- Industry Compliances:
  - RHH/RHW-2 LSHF per UL 44, UL File number E90494
  - USE-2 per UL 854, UL File number E90499

**Flame, Smoke and Toxicity:**
- IEEE 1202/74
- VW-1 sizes 10 AWG and larger
- FTI
- “FOR CT USE” on 1/0 AWG and larger in accordance with the NEC®
- Low-Smoke, Halogen-Free per UL 2889
- Flame and Smoke release rate per UL 1685
- Halogen content less than 0.2% and acid gas less than 2.0% per MIL-C-24643
- IEC 61033:655 for smoke, halogen and acid gas
- Toxicity Index less than 2.0 per NESC 7.13
- ASTM E662, Optical Smoke Density

**Other Compliances:**
- NFPA 70, Chapter 12.1 thru 12.3
- NFPA 502, Chapter 12.2
- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable
- RoHS Compliant

**Packaging:**
- Material cut to length and shipped on non-returnable wood reels

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**Table:**

<table>
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<tr>
<th>CATALOG NUMBER</th>
<th>COND. SIZE (AWG or kcmil)</th>
<th>NUMBER OF WIRES</th>
<th>NOMINAL COND. DIAMETER</th>
<th>MINIMUM AVG. INSULATION THICKNESS</th>
<th>AVG. Jacket</th>
<th>NOMINAL CABLE DIAMETER</th>
<th>COPPER WEIGHT</th>
<th>NET WEIGHT</th>
<th>AMPACITY@75°C</th>
<th>AMPACITY@90°C</th>
<th>AMPACITY@100°C</th>
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**Notes:**
- Dimensions and weights are nominal, subject to industry tolerances.
- *Non-stock item, minimum run apply. Please consult Customer Service for price and delivery.
- 90°C - Wet or dry locations. For ampacity derating purposes.
- Dwelling - For dwelling units, conductors shall be permitted as listed ampacities at 120/240-volt, 3-wire, single-phase services and feeders.