Ultrol® Heavy Wall, Single Conductor, Power Cable, Class 1E Nuclear
600V, 90°C, VW-1, RHH/RHW/USE Type

Product Construction:

Conductor:
- 14 AWG thru 1000 kcmil tinned, annealed copper per ASTM B33; Class B stranding per ASTM B8

Insulation:
- Flame-retardant, heat, moisture and radiation resistant, thermoset Ultrol® Cross-Linked Polyethylene (FR-XLPE) - Black

Print:
- For 14 AWG thru 4/0 AWG:
  GENERAL CABLE BRAND REX BRAND (WC) ULTROL 1/C XXAWG COPPER FR-XLPE RHH/RHW/USE TYPE 600V 90°C VW-1 NUCLEAR YEAR OF MFG
  Note: Sizes 1/0 AWG & larger include: TRACEABILITY NUMBER & SEQUENTIAL FOOTAGE MARK
- For 250 kcmil thru 1000 kcmil:
  GENERAL CABLE BRAND REX BRAND (WC) ULTROL 1/C XXXKCMIL COPPER FR-XLPE RHH-RHW TYPE 600V 90°C VW-1 NUCLEAR YEAR OF MFG TRACEABILITY NUMBER SEQUENTIAL FOOTAGE MARK

Options:
- Conductor stranding
- Full-colored insulation
- UL Listed RHH or RHW for sizes 14 AWG thru 1000 kcmil
- CT USE and SUNLIGHT RESISTANT for 1/0 AWG and larger

Applications:
- Ultrol Power cable is a 600V, insulated heavy wall, single conductor Class 1E rated wire for use in demanding applications without additional jacketing protection in nuclear generating stations and where flame retardancy is critical.
- For use in Class 1E low voltage power and lighting functions where optimum performance is required
- May be installed in trays, conduit, ducts, or direct buried.

Features:
- Rated at 90°C
- Fully traceable
- Qualified for 40-year service life
- Radiation resistant (up to 200 megarads)
- Long-term thermal endurance and superior electricals
- Excellent mechanical cut through properties.
- Long-term moisture and radiation stability
- Free stripping for ease of termination

Industry Compliances:
- Class 1E Qualified in accordance with IEEE 323-1974 and IEEE 383-1974
- ANSI N45.2
- ICEA S-95-658 (formerly ICEA S-66-524 & S-19-81)

Flame Test Compliances:
- IEEE 383 (70,000 BTU/hr)
- ICEA T-29-520 (210,000 BTU/hr)
- UL VW-1

Other:
- Quality assurance program in accordance with NRC 10CFR50 Appendix B
- ASME NQA-1:2000
- NUPIC

Packaging:
- Material to be shipped on non-returnable wooden reels

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### Ultrol® Heavy Wall, Single Conductor, Power Cable, Class 1E Nuclear
600V, 90°C, VW-1, RHH/RHW/USE Type

**ULTRON® HEAVY WALL, SINGLE CONDUCTOR, POWER CABLE, CLASS 1E NUCLEAR**
600V, 90°C, VW-1, RHH/RHW/USE TYPE

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<th>Cond. Size (AWG)</th>
<th>Cond. Strand</th>
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<th>Nom. Cable Diameter</th>
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Dimensions and weights are subject to industry tolerance.