

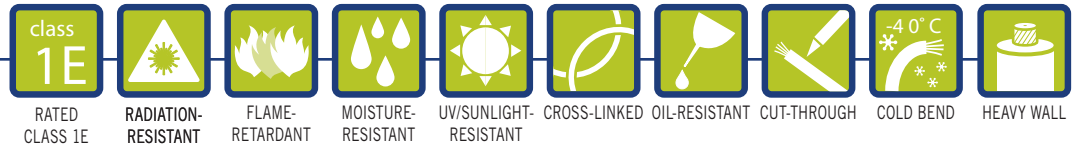
ULTROL® 60+ Power Cable

Heavy Wall, Single Conductor

Class 1E Nuclear

600 V, 90°C, VW-1, UL Type RHH/RHW-2

SPEC 150-60
May, 2023



Product Construction

1. Conductor:

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

2. Insulation:

- Flame-retardant, heat-, moisture-, sunlight- and radiation-resistant, thermoset ULTROL® 60+ Cross-linked Polyethylene (FR-XLPE)
- Color Code: Black

Print:

- For 14 AWG thru 4/0 AWG:
PRYSMIAN GROUP (WC) ULTROL® 60+ 1/C XXAWG COPPER FR-XLPE (UL) TYPE RHH/RHW-2 600V 90C VW-1 NUCLEAR DAY/MONTH/YEAR
Note - Sizes 1/0AWG & larger include:
TRACEABILITY NUMBER SEQUENTIAL FOOTAGE
- For 250 kcmil thru 1000 kcmil:
PRYSMIAN GROUP (WC) ULTROL® 60+ 1/C XXXKCMIL COPPER FR-XLPE (UL) TYPE RHH/RHW-2 600V 90C SUN RES FOR CT USE VW-1 NUCLEAR DAY/MONTH/YEAR
TRACEABILITY NUMBER SEQUENTIAL FOOTAGE

Options:

- Conductor stranding
- ISO Metric conductor
- Colored insulation

Applications:

- ULTROL® 60+ power cable is a 600 V heavy wall, insulated single conductor, thermoset, Class 1E rated wire construction specifically designed for applications in nuclear generating stations and where additional jacket protection is not required
- For use in Class 1E low-voltage power and lighting functions where optimum performance is required and where flame retardancy is critical
- May be installed in trays, conduit, ducts, or direct buried

Features:

- Rated at 90°C wet or dry
- Fully traceable
- Qualified for 60-year service life
- Gamma and beta radiation resistant (up to 350 megarads)
- Submergence operability
- Long-term thermal endurance and superior electricals
- Excellent mechanical cut-through properties
- Long-term moisture and radiation stability
- Free stripping for ease of termination
- Meets cold bend test at -40°C

Industry Compliances:

- Class 1E Qualified in accordance with IEEE 323-1974/2003 and IEEE 383-1974/2003
- ICEA S-95-658
- UL 44 RHH/RHW-2

Flame Test Compliances:

- IEEE 383:1974
- IEEE 383:2003
- ICEA T-29-520
- IEEE 1202/FT4-1991, Aged & Unaged
- VW-1

Other:

- Quality assurance program in accordance with NRC 10CFR50 Appendix B
- ANSI N45.2
- ASME NQA-1
- NIAC
- NUPIC

Packaging:

- Material to be shipped on non-returnable wooden reels

ULTROL[®] 60+ Power Cable Heavy Wall, Single Conductor

Class 1E Nuclear

600 V, 90°C, VW-1, UL Type RHH/RHW-2



| CATALOG NUMBER | COND. SIZE (AWG/kcmil) | COND. STRAND | MINIMUM AVG. INSULATION THICKNESS | | NOMINAL CABLE O.D. | | COPPER WEIGHT | | NET WEIGHT | |
|----------------|------------------------|--------------|-----------------------------------|------|--------------------|------|---------------|-------|-------------|-------|
| | | | INCHES | mm | INCHES | mm | LBS/1000 FT | kg/km | LBS/1000 FT | kg/km |
| 15060.14.1 | 14 | 7/.0242 | 0.045 | 1.14 | 0.163 | 4.14 | 13 | 19 | 23 | 35 |
| 15060.12.1 | 12 | 7/.0305 | 0.045 | 1.14 | 0.182 | 4.62 | 20 | 30 | 34 | 51 |
| 15060.10.1 | 10 | 7/.0385 | 0.045 | 1.14 | 0.205 | 5.21 | 32 | 48 | 48 | 72 |
| 15060.8.1 | 8 | 7/.0486 | 0.060 | 1.52 | 0.266 | 6.76 | 51 | 76 | 78 | 116 |
| 15060.6.1 | 6 | 7/.0612 | 0.060 | 1.52 | 0.303 | 7.70 | 81 | 121 | 114 | 169 |
| 15060.4.1 | 4 | 7/.0772 | 0.060 | 1.52 | 0.350 | 8.89 | 129 | 192 | 169 | 251 |
| 15060.2.1 | 2 | 7/.0974 | 0.060 | 1.52 | 0.409 | 10.4 | 205 | 305 | 254 | 378 |
| 15060.1.1 | 1 | 19/.0664 | 0.080 | 2.03 | 0.488 | 12.4 | 258 | 384 | 329 | 490 |
| 15060.1/0.1 | 1/0 | 19/.0745 | 0.080 | 2.03 | 0.527 | 13.4 | 326 | 485 | 404 | 601 |
| 15060.2/0.1 | 2/0 | 19/.0837 | 0.080 | 2.03 | 0.572 | 14.5 | 411 | 612 | 498 | 742 |
| 15060.3/0.1 | 3/0 | 19/.0940 | 0.080 | 2.03 | 0.622 | 15.8 | 518 | 771 | 615 | 915 |
| 15060.4/0.1 | 4/0 | 19/.1055 | 0.080 | 2.03 | 0.678 | 17.2 | 653 | 972 | 761 | 1133 |
| 15060.250.1 | 250 | 37/.0822 | 0.095 | 2.41 | 0.754 | 19.2 | 772 | 1149 | 908 | 1352 |
| 15060.350.1 | 350 | 37/.0973 | 0.095 | 2.41 | 0.857 | 21.8 | 1081 | 1609 | 1241 | 1846 |
| 15060.500.1 | 500 | 37/.1162 | 0.095 | 2.41 | 0.986 | 25.0 | 1544 | 2297 | 1734 | 2580 |
| 15060.750.1 | 750 | 61/.1109 | 0.110 | 2.79 | 1.199 | 30.5 | 2316 | 3446 | 2581 | 3840 |
| 15060.1000.1 | 1000 | 61/.1280 | 0.110 | 2.79 | 1.349 | 34.3 | 3088 | 4595 | 3392 | 5048 |

Dimensions and weights are nominal; subject to industry tolerances.