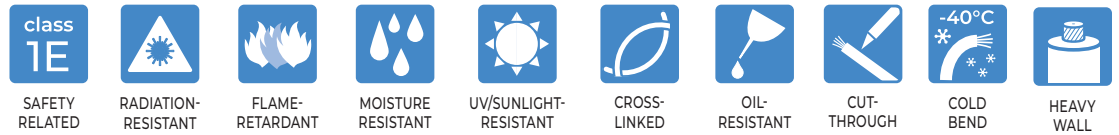


ULTROL® 60+ Power Cable Heavy Wall, Single Conductor

Class 1E Nuclear

600 V, 90°C, VW-1, UL Type RHH/RHW-2



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 (WC) ULTROL® 60+ 1/C XXAWG COPPER FR-XLPE (UL) TYPE RHH/RHW-2 600V 90C -40°C VW-1 NUCLEAR DAY/MONTH/YEAR
Note - Sizes 1/0AWG & larger include: TRACEABILITY NUMBER SEQUENTIAL FOOTAGE
- For 250 kcmil thru 1000 kcmil:
PRYSMIAN (WC) ULTROL® 60+ 1/C XXXKCMIL COPPER FR-XLPE (UL) TYPE RHH/RHW-2 600V 90C SUN RES -40°C 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 safety-related or non-safety-related applications in nuclear generating stations where additional mechanical protection is required from a heavier insulation wall
- For use in Class 1E low-voltage power and lighting functions where optimum performance is required and where flame retardancy and radiation resistance is critical
- May be installed in trays, conduit or ducts

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 and impact test at -40°C

Industry Compliances:

- Class 1E Qualified in accordance with IEEE 323-1974/2003 and IEEE 383-1974/2003/2015
- 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	Lb/ 1000 Ft	kg/km
15060.14.1	14	7/.0242	0.045	1.14	0.163	4.14	13	19	23	34
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	71
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	10.40	205	305	254	378
15060.1.1	1	19/.0664	0.080	2.03	0.488	12.40	258	384	329	490
15060.1/0.1	1/0	19/.0745	0.080	2.03	0.527	13.40	326	485	404	601
15060.2/0.1	2/0	19/.0837	0.080	2.03	0.572	14.50	411	612	498	741
15060.3/0.1	3/0	19/.0940	0.080	2.03	0.622	15.80	518	771	615	915
15060.4/0.1	4/0	19/.1055	0.080	2.03	0.678	17.20	653	972	761	1133
15060.250.1	250	37/.0822	0.095	2.41	0.754	19.20	772	1149	908	1351
15060.350.1	350	37/.0973	0.095	2.41	0.857	21.80	1081	1609	1241	1846
15060.500.1	500	37/.1162	0.095	2.41	0.986	25.00	1544	2297	1734	2580
15060.750.1	750	61/.1109	0.110	2.79	1.199	30.50	2316	3446	2581	3840
15060.1000.1	1000	61/.1280	0.110	2.79	1.349	34.30	3088	4595	3392	5048

Dimensions and weights are nominal; subject to industry tolerances.

