

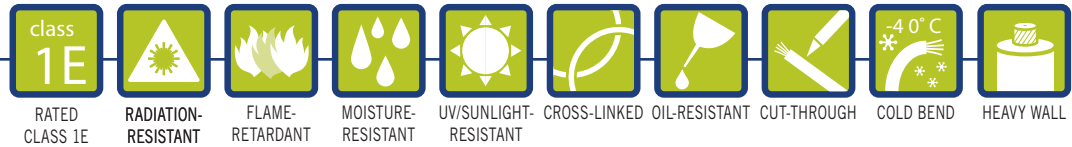
# ULTROL® 60+ Power Cable

## Dual Wall, Single Conductor

Class 1E Nuclear

600 V, 90°C, VW-1, UL Type RHH/RHW-2

SPEC 175-60  
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- and radiation-resistant, thermoset ULTROL® 60+ Cross-linked Polyethylene (FR-XLPE)
- Color Code: White

#### 3. Jacket:

- Flame-retardant, moisture-, oil-, sunlight- and radiation-resistant, thermoset ULTROL® 60+ Cross-linked Polyolefin (XLPO) – 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: SUN RES FOR CT USE TRACEABILITY NUMBER SEQUENTIAL FOOTAGE
- 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

#### Applications:

- ULTROL® 60+ power cable is a 600 V dual wall, insulated single conductor, thermoset, Class 1E rated wire construction specifically designed for applications in nuclear generating stations and where additional jacket protection is 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<sup>®</sup> 60+ Power Cable Dual 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		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
			INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km
17560.14.1	14	7/.0242	0.030	0.76	0.015	0.38	0.165	4.19	13	19	24	36
17560.12.1	12	7/.0305	0.030	0.76	0.015	0.38	0.184	4.67	20	30	33	49
17560.10.1	10	7/.0385	0.030	0.76	0.015	0.38	0.207	5.26	32	48	47	71
17560.8.1	8	7/.0486	0.045	1.14	0.015	0.38	0.268	6.81	51	76	78	116
17560.6.1	6	7/.0612	0.045	1.14	0.030	0.76	0.336	8.53	81	121	123	183
17560.4.1	4	7/.0772	0.045	1.14	0.030	0.76	0.383	9.73	129	192	180	267
17560.2.1	2	7/.0974	0.045	1.14	0.030	0.76	0.442	11.2	205	305	267	397
17560.1.1	1	19/.0664	0.055	1.40	0.045	1.14	0.530	13.5	258	384	347	517
17560.1/0.1	1/0	19/.0745	0.055	1.40	0.045	1.14	0.569	14.5	326	485	424	631
17560.2/0.1	2/0	19/.0837	0.055	1.40	0.045	1.14	0.614	15.6	411	612	520	774
17560.3/0.1	3/0	19/.0940	0.055	1.40	0.045	1.14	0.664	16.9	518	771	640	952
17560.4/0.1	4/0	19/.1055	0.055	1.40	0.045	1.14	0.720	18.3	653	972	788	1172
17560.250.1	250	37/.0822	0.065	1.65	0.065	1.65	0.829	21.1	772	1149	962	1432
17560.350.1	350	37/.0973	0.065	1.65	0.065	1.65	0.932	23.7	1081	1609	1302	1937
17560.500.1	500	37/.1162	0.065	1.65	0.065	1.65	1.061	27.0	1544	2297	1804	2685
17560.750.1	750	61/.1109	0.080	2.03	0.065	1.65	1.271	32.3	2316	3446	2661	3960
17560.1000.1	1000	61/.1280	0.080	2.03	0.065	1.65	1.421	36.1	3088	4595	3483	5183

Dimensions and weights are nominal; subject to industry tolerances.