



600V SUBMERSIBLE POWER CABLE WITH GROUND TYPE TC-ER

2, 3 AND 4 CONDUCTOR

INSULATION: **XLPE - Cross-Linked Polyethylene**

JACKET: **PVC Polyvinyl Chloride**

SIZES: **8 - 750 MCM**

90°C DRY, 90°C WET



1.0 APPLICATIONS:

1.1 Two, three or four conductors having TFFN or VW-1 THHN/THWN (PVC/Nylon) conductors with PVC jacket conforming to Article 318 "Cable Trays" and Article 340 "Power and Control Cable Type TC". Direct Burial, Passes 210,000 BTU flame test and suitable for use as submersible cable.

2.0 CONSTRUCTION:

2.1 Conductors:

Conductors consist of uncoated soft, copper strands meeting the requirements of ASTM B3. Unless otherwise specified, the conductor shall be supplied as Class B compressed per ASTM B8.

2.2 Insulation:

The insulation is flame-retardant cross-linked polyethylene (XHHW-2) extruded concentrically over the conductor to the wall thickness for Type XHHW-2 as specified.

2.3 Conductor Coding:

Phase identification is provided by number code on each insulated conductor.

2.4 Ground Wire:

One stranded bare copper ground wire will be located in one of the outer interstices

2.5 Assembly:

Conductors and ground wire are cabled together, "Filled" cables include suitable fillers with a binder to develop a round cable cross section.

2.6 Jacket:

A protective sunlight and ozone resistant jacket of Polyvinyl Chloride (PVC) or chlorinated polyethylene (CPE) is extruded overall.

3.0 STANDARDS & RATINGS:

- Listed by UL as Type TC per Standard 1277 & IEEE 1202.
- Listed by UL as Type TC per Standard 1277 (4 AWG & larger, PVC jacketed only).
- Conforms to ICEA S-95-658/NEMA WC70 Non-shielded 0-2KV Cables
- Listed by UL as Sunlight Resistant
- Listed by UL as Direct Burial

4.0 DIMENSIONS:

Paige Part Numbers	Conductor				Insulation Thickness mils	Overall Jacket mils	Size AWG Cooper Ground Wire	Approximate O.D. inches	Cable Weight lbs/ mft* ft	Ampacity	
	Size	No. of Insulated Conductos	No. of Strands	Nominal O.D.						90°C (1)	90°C (2)
7267SPA1	8	3	7	0.14	45	60	8	0.68	330	55	48
7267SPA2	6	3	7	0.18	45	60	8	0.75	445	75	65
7267SPA3	4	3	7	0.23	45	80	8	0.89	650	95	89
7267SPA4	2	3	7	0.28	45	80	6	1.02	955	130	119
7267SPA5	1	3	19	0.32	55	80	6	1.15	1180	150	137
7267SPA6	1/0	3	19	0.36	55	80	6	1.24	1415	170	163
7267SPA7	2/0	3	19	0.41	55	80	6	1.33	1710	195	186
7267SPA8	3/0	3	19	0.46	55	80	4	1.44	2130	225	214
7267SPA9	4/0	3	19	0.51	55	80	4	1.56	2595	260	253
7267SPA10	250	3	37	0.56	65	110	4	1.77	3140	290	276
7267SPA11	300	3	37	0.61	65	110	3	1.88	3700	320	317
7267SPA12	350	3	37	0.66	65	110	3	1.99	4235	350	345
7267SPA13	400	3	37	0.71	65	110	3	2.09	4760	380	371
7267SPA14	500	3	37	0.79	65	110	2	2.26	5840	430	427
7267SPA15	600	3	61	0.87	80	110	2	2.50	6975	475	468
7267SPA16	750	3	61	0.97	80	110	1	2.72	8595	535	529
7267SPA17	8	4	7	0.14	45	60	8	0.74	400	44	38
7267SPA18	6	4	7	0.18	45	60	8	0.82	550	60	52
7267SPA19	4	4	7	0.23	45	80	8	0.98	815	76	71
7267SPA20	2	4	7	0.28	45	80	6	1.12	1200	104	95
7267SPA21	1	4	19	0.32	55	80	6	1.27	1490	120	110
7267SPA22	1/0	4	19	0.36	55	80	6	1.36	1805	136	130
7267SPA23	2/0	4	19	0.41	55	80	6	1.47	2190	156	149
7267SPA24	3/0	4	19	0.46	55	80	4	1.59	2725	180	171
7267SPA25	4/0	4	19	0.51	55	80	4	1.78	3430	208	202
7267SPA26	250	4	37	0.56	65	110	4	1.95	4030	232	221
7267SPA27	300	4	37	0.61	65	110	3	2.08	4755	256	254
7267SPA28	350	4	37	0.66	65	110	3	2.20	5450	280	276
7267SPA29	400	4	37	0.71	65	110	3	2.31	6145	304	297
7267SPA30	500	4	37	0.79	65	110	2	2.51	7545	344	342
7267SPA31	600	4	61	0.87	80	140	2	2.83	9190	380	374
7267SPA32	750	4	61	0.97	80	140	1	3.08	11315	428	423

(1) Based on cables installed in uncovered cable tray at the conductor temperature indicated, 30°C ambient temperature per NEC.

(2) Based on cables in raceway in free air, 30°C ambient temperature per NEC.