

## SUBMERSIBLE PUMP ROUND INTERLOCKED ARMORED CABLE 600 VOLT UL TYPE MC 3 or 4 CONDUCTORS WITH GROUND

INSULATION: XLPE

OUTER JACKET: PVC

SIZES: 14 AWG – 750 MCM

90°C WET/DRY



### 1.0 Applications:

- 1.1 Designed for use as a power cable where maximum protection is required. Direct burial rated and UL listed well locations. Type MC. Good for use as a submersible cable.

### 2.0 Construction:

- 2.1 **Conductors:**  
3 or 4 Class B stranded copper
- 2.2 **Insulation:**  
Heat and moisture resistant cross-linked polyethylene (type XHHW-2), phase identified.
- 2.3 **Fillers:**  
When needed.
- 2.4 **Ground:**  
1 bare copper ground for 3 conductor  
2 bare copper grounds for 4 conductor
- 2.5 **Armor:**  
Core covered with binder tape, aluminum or galvanized steel interlocked armor.
- 2.6 **Jacket:**  
Flame and sunlight resistant black PVC jacket. (Jacket available under armor and in other colors.)

### 2.7 Color Code:

K-2/other color codes available.

### 2.8 Temperature:

90°C Wet/Dry

Per ICEA S-66-534/NEMA WC-7

### 2.9 Cable Reinforcement:

An open reinforcement is applied over the assembly for mechanical protection.

### 3.0 Underwriters' Laboratories Approval:

- 3.1 All cables shall be tested physically and electrically in accordance with UL and IEEE-383 flame test with additional 210,000 BTU rating. All reels and cartons bear UL labels. CT use-UL approved; UL 1569.

### 4.0 Standards and Ratings:

- 4.1 Conforms to ICEA S-95-658/NEMA WC70 Nonshielded 0-2KV Cables.
- 4.2 Conductors conform to UL 44 Thermoset-Insulated Wires and Cables.
- 4.3 Listed by UL as Type MC per Standard UL 1569.
- 4.4 Listed by UL as Sunlight Resistant, for Direct Burial, and for CT use.

## 5.0 Dimensions:

CONDUCTOR				INSULATION	JACKET	SIZE AWG COPPER GROUND WIRE	APPROXIMATE O.D.		APPROX. WEIGHT	AMPACITY (1) 40°C AMBIENT TEMP.
SIZE	No. of Insulated Conductors	No. of Strands	Nominal O.D.	mils	mils		inches	mm	lbs/1000 ft	
8	3	7	0.14	45	50	8	0.92	23.37	425	55
6	3	7	0.18	45	50	8	0.98	24.89	550	75
4	3	7	0.23	45	50	8	1.01	25.65	730	95
2	3	7	0.28	45	50	6	1.14	28.96	1050	130
1	3	19	0.32	55	50	6	1.27	32.26	1285	150
1/0	3	19	0.36	55	50	6	1.36	34.54	1530	170
2/0	3	19	0.41	55	50	6	1.45	36.83	1835	195
3/0	3	19	0.46	55	50	4	1.56	39.62	2265	225
4/0	3	19	0.51	55	60	4	1.70	43.18	2770	260
250	3	37	0.56	65	60	4	2.02	51.31	3330	290
300	3	37	0.61	65	60	3	2.13	54.10	3900	320
350	3	37	0.66	65	60	3	2.24	56.90	4445	350
400	3	37	0.71	65	60	3	2.34	59.44	4980	380
500	3	37	0.79	65	75	2	2.54	64.52	6150	430
600	3	61	0.87	80	75	2	2.78	70.61	7315	475
750	3	61	0.97	80	75	1	3.00	76.20	8965	535
1000	3	61	1.12	80	85	1/0	3.34	84.84	11705	615
8	4	7	0.14	45	50	8	0.98	24.89	505	44
6	4	7	0.18	45	50	8	1.04	26.42	675	60
4	4	7	0.23	45	50	8	1.10	27.94	915	76
2	4	7	0.28	45	50	6	1.24	31.50	1305	104
1	4	19	0.32	55	50	6	1.39	35.31	1610	120
1/0	4	19	0.36	55	50	6	1.48	37.59	1930	136
2/0	4	19	0.41	55	50	6	1.59	40.39	2325	156
3/0	4	19	0.46	55	50	4	1.73	43.94	2905	180
4/0	4	19	0.51	55	60	4	2.03	51.56	3620	208
250	4	37	0.56	65	60	4	2.20	55.88	4235	232
300	4	37	0.61	65	60	3	2.33	59.18	4970	256
350	4	37	0.66	65	60	3	2.48	62.99	5750	280
400	4	37	0.71	65	60	3	2.59	65.79	6460	304
500	4	37	0.79	65	75	2	2.79	70.87	7885	344
600	4	61	0.87	80	75	2	3.05	77.47	9410	380
750	4	61	0.97	80	75	1	3.32	84.33	11615	428

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