

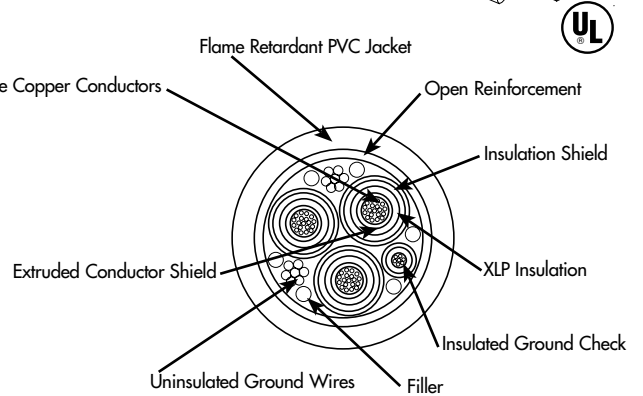
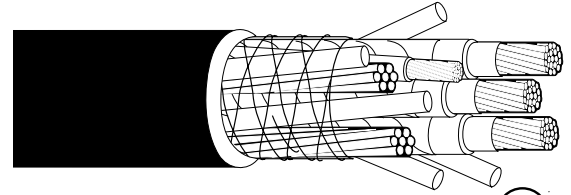
**SUBMERSIBLE PUMP CABLE
W/ GROUND CHECK**

INSULATION: XLP

OUTER JACKET: PVC

**SIZES: 6 AWG - 500 MCM,
3 CONDUCTOR**

**5000/8000/15000 VOLTS,
90°C to 40°C**



1.0 APPLICATIONS:

1.1 Designed for use in high voltage distribution circuits for permanent or (semi-portable) installations in bore holes, shafts, open pits and strip mines, deep well fresh or saltwater (suitable for continuous submersion to 984') submersible pump cable.

2.0 FEATURES:

- 2.1**
- Meets ICEA requirements as applicable
 - OSHA acceptable
 - Passes MSHA flame test (P-136-MSHA)
 - Excellent heat and moisture resistance
 - Flexibility for easy handling
 - Resistant to most oils and chemicals
 - Flame resistant

3.0 CONSTRUCTION:

- 3.1 Conductor:**
Bare, annealed copper per ASTM B-3
Concentric stranded per ASTM B-8
- 3.2 Conductor Shield:**
Extruded conducting compound.
- 3.3 Insulation:**
90°C cross-linked polyethylene (XLP) ICEA S-66-524.
- 3.4 Insulation Shield:**
Color coded semi-conducting tape. Bare copper tape (.003").
- 3.5 Color Code:**
Black, White, Red

- 3.6 Ground Wires:**
Uninsulated, stranded bare copper.
- 3.7 Ground Check:**
Annealed bare copper, stranded, separator, yellow XLP insulation.
- 3.8 Cabling:**
Three shielded conductors are assembled round with two uninsulated ground wires, one yellow insulated ground check and jute fillers as needed.
- 3.9 Cable Reinforcement:**
An open reinforcement is applied over the assembly for mechanical protection.
- 4.0 Jacket:**
Black flame retardant PVC ICEA S-66-524.
- 4.1 Cable Identification:**
Indent print on jacket, "(size) AWG (or MCM) 3/C (voltage) P-136-MSHA"

Note: Also Available as EPR/Neoprene or CSPE.

4.2

POWER CONDUCTORS			GROUND CONDUCTORS		GROUND CHECK		NOMINAL O.D	AMPS'	WEIGHT LBS/M'
SIZE	STRANDING	INS.	SIZE	STRANDING	SIZE	INS.			
5000 VOLTS · 100% INSULATION LEVEL · ES-13138									
6	7 x .0612	.090	10	7 x .0385	10	.030	1.175	93	859
4	7 x .0772	.090	8	7 x .0486	8	.045	1.275	122	1136
2	7 x .0974	.090	6	7 x .0612	8	.045	1.400	159	1483
1	19 x .0664	.090	5	7 x .0688	8	.045	1.480	184	1771
1/0	19 x .0745	.090	4	7 x .0772	8	.045	1.565	211	2103
2/0	19 x .0837	.090	3	7 x .0867	8	.045	1.670	243	2507
3/0	19 x .0940	.090	2	7 x .0974	8	.045	1.805	279	3055
4/0	19 x .1055	.090	1	19 x .0664	8	.045	1.950	321	3704
250	37 x .0822	.090	1/0	37 x .0745	8	.045	2.050	355	4277
350	37 x .0973	.090	2/0	37 x .0837	8	.045	2.270	435	5572
400	37 x .1040	.090	3/0	37 x .0940	8	.045	2.395	470	6380
450	37 x .1103	.090	3/0	37 x .0940	8	.045	2.495	502	7019
500	37 x .1162	.090	4/0	37 x .1055	8	.045	2.545	536	7650
8000 VOLTS · 100% INSULATION LEVEL · ES-13140									
6	7 x .0612	.115	10	7 x .0385	10	.030	1.280	93	995
4	7 x .0772	.115	8	7 x .0486	8	.045	1.380	122	1228
2	7 x .0974	.115	6	7 x .0612	8	.045	1.505	159	1610
1	19 x .0664	.115	5	7 x .0688	8	.045	1.590	184	1902
1/0	19 x .0745	.115	4	7 x .0772	8	.045	1.680	211	2220
2/0	19 x .0837	.115	3	7 x .0867	8	.045	1.830	243	2721
3/0	19 x .0940	.115	2	7 x .0974	8	.045	1.950	279	3227
4/0	19 x .1055	.115	1	19 x .0664	8	.045	2.055	321	3869
250	37 x .0822	.115	1/0	19 x .0745	8	.045	2.155	355	4428
350	37 x .0973	.115	2/0	19 x .0837	8	.045	2.380	435	5730
400	37 x .1040	.115	3/0	19 x .0940	8	.045	2.505	470	6679
450	37 x .1103	.115	3/0	19 x .0940	8	.045	2.595	502	7232
500	37 x .1162	.115	4/0	19 x .1055	8	.045	2.655	536	7881
15000 VOLTS · 100% INSULATION LEVEL · ES-13140									
2	7 x .0974	.175	6	7 x .0612	8	.045	1.825	164	2023
1	19 x .0664	.175	5	7 x .0688	8	.045	1.905	187	2289
1/0	19 x .0745	.175	4	7 x .0772	8	.045	1.995	215	2642
2/0	19 x .0837	.175	3	7 x .0867	8	.045	2.090	246	3067
3/0	19 x .0940	.175	2	7 x .0874	8	.045	2.195	283	3578
4/0	19 x .1055	.175	1	19 x .0664	8	.045	2.315	325	4215
250	37 x .0822	.175	1/0	19 x .0745	8	.045	2.415	359	4810
350	37 x .0973	.175	2/0	19 x .0837	8	.045	2.635	438	6138
400	37 x .1040	.175	3/0	19 x .0940	8	.045	2.825	470	7227
450	37 x .1103	.175	3/0	19 x .0940	8	.045	2.920	502	7810

*Ampacities (Amps per conductor) are based on 40°C ambient temperature in air 90°C conductor temperature.