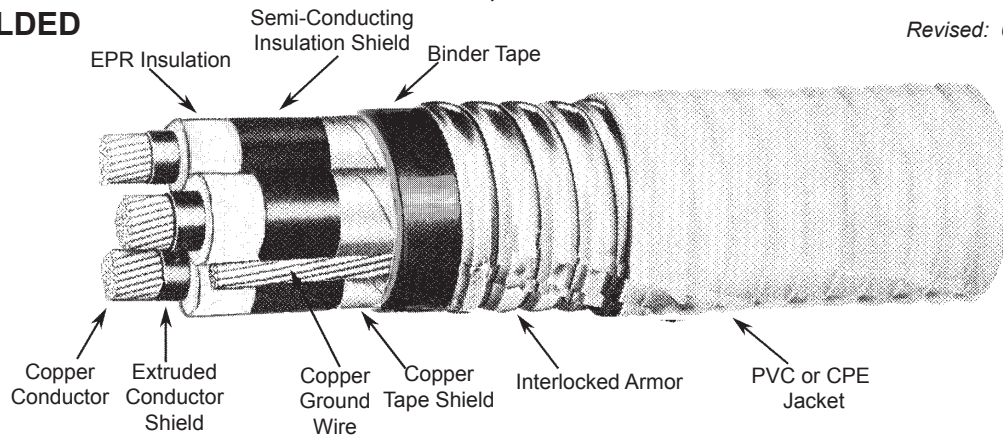


# INTERLOCKED ARMORED POWER CABLE, 25000/28000 VOLT EPR, SHIELDED

**SPEC 3-82-4**  
Ver. 7.1  
Revised: 02/16/09



## 105°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% INSULATION LEVEL

Conductor			Insulation in Mils	Overall Jacket in Mils	Size* AWG Copper Ground Wire	Approximate O.D. in Inches	Ampacity+ 40°C Ambient	Approximate Net Weight§ LBS/KFT
Size AWG or KCMIL	No. of Strands	Nominal O.D.						

## THREE CONDUCTOR 25000 VOLT, SHIELDED, 100% INSULATION LEVEL

1*	19	0.32	260	75	4	2.66	210	3210
1/0	19	0.34	260	75	4	2.69	240	3460
2/0	19	0.38	260	75	4	2.78	275	3850
3/0	19	0.42	260	75	3	2.92	315	4455
4/0	19	0.48	260	75	3	3.03	360	5040
250	37	0.52	260	75	2	3.16	400	5670
300*	37	0.61	260	85	2	3.38	445	6510
350	37	0.62	260	85	2	3.39	490	7015
400*	37	0.71	260	85	1	3.58	530	7860
500	37	0.74	260	85	1	3.65	600	8925
600*	61	0.87	260	85	1/0	3.97	660	10500
750	61	0.91	260	85	1/0	4.11	745	12235

## THREE CONDUCTOR 28000 VOLT, SHIELDED, 100% INSULATION LEVEL

1*	19	0.32	280	75	4	2.75	210	3370
1/0	19	0.34	280	75	4	2.78	240	3625
2/0	19	0.38	280	75	4	2.87	275	4020
3/0	19	0.42	280	75	3	3.01	315	4630
4/0	19	0.48	280	75	3	3.12	360	5225
250	37	0.52	280	85	2	3.27	400	5920
300*	37	0.61	280	85	2	3.47	445	6710
350	37	0.62	280	85	2	3.48	490	7215
400*	37	0.71	280	85	1	3.67	530	8075
500	37	0.74	280	85	1	3.74	600	9145
750	61	0.91	280	85	1/0	4.20	745	12480

Note:\*\*Based on three conductor cable isolated in air per NEC. For other installations refer to the NEC.

§Weights based on aluminum armor assembly.

\*Compressed conductors.

The above data is approximate and subject to normal manufacturing tolerances.

### STANDARDS AND RATINGS:

1. Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cable 5-46KV.
2. Cable listed by UL as Type MV-105 or MC per Standard 1072.
3. Listed by UL as Sunlight Resistant, for Direct Burial, For CT Use and IEEE 1202.
4. Listed by UL as For CT Use & LS (Aetna 3742 LSOH jacket only)
5. Conforms to ICEA T-29-520 210 KBTU/HR Vertical Tray Flame Test (PVC jacket only)

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