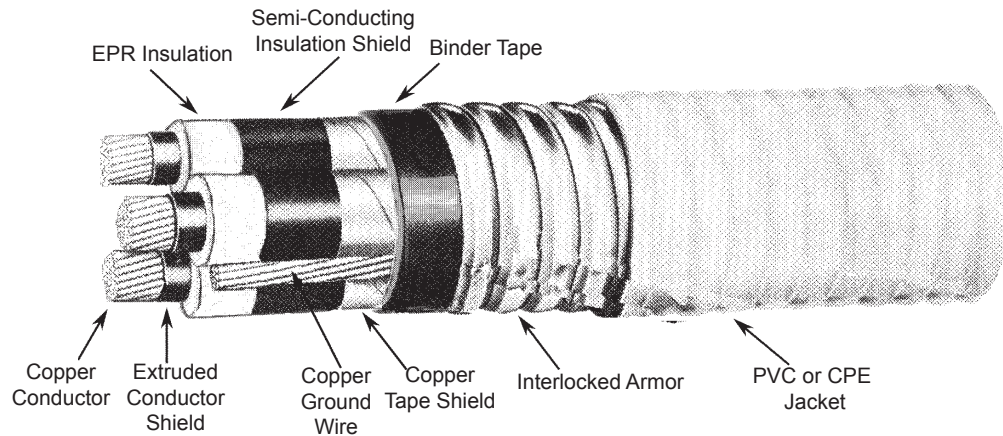


# INTERLOCKED ARMORED POWER CABLE, 25000/28000 VOLT OR 35000 VOLT, EPR, SHIELDED

**SPEC 3-82-5**  
Ver. 7.1  
Revised: 01/26/09



## 105°C CONDUCTOR TEMPERATURE, WET OR DRY, 100% OR 133% 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 25000/28000 VOLT 133% OR 35000 VOLT 100% INSULATION LEVEL

1*	19	0.32	345	75	4	3.09	210	4015
1/0	19	0.34	345	75	4	3.12	240	4275
2/0	19	0.38	345	85	4	3.22	275	4745
3/0	19	0.42	345	85	3	3.33	315	5295
4/0	19	0.48	345	85	3	3.44	360	5910
250	37	0.52	345	85	2	3.57	400	6570
300*	37	0.61	345	85	2	3.76	445	7400
350	37	0.62	345	85	2	3.77	490	7910
400*	37	0.71	345	85	1	3.97	530	8805
500	37	0.74	345	85	1	4.08	600	10010

### THREE CONDUCTOR 35000 VOLT, SHIELDED, 133% INSULATION LEVEL

1/0	19	0.34	420	85	4	3.48	240	5060
2/0	19	0.38	420	85	4	3.56	275	5495
3/0	19	0.42	420	85	3	3.67	315	6060
4/0	19	0.48	420	85	3	3.78	360	6705
250	37	0.52	420	85	2	3.90	400	7390
300*	37	0.61	420	85	2	4.15	445	8385
350	37	0.62	420	85	2	4.16	490	8895
400*	37	0.71	420	85	1	4.35	530	9840
500	37	0.74	420	85	1	4.42	600	10935

**Note:\*\***Based on three conductor cable isolated in air per NEC. For other installations refer to the NEC. The above data is approximate and subject to normal manufacturing tolerances.

§Weights based on aluminum armor assembly.

\*Compressed conductors.

## 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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