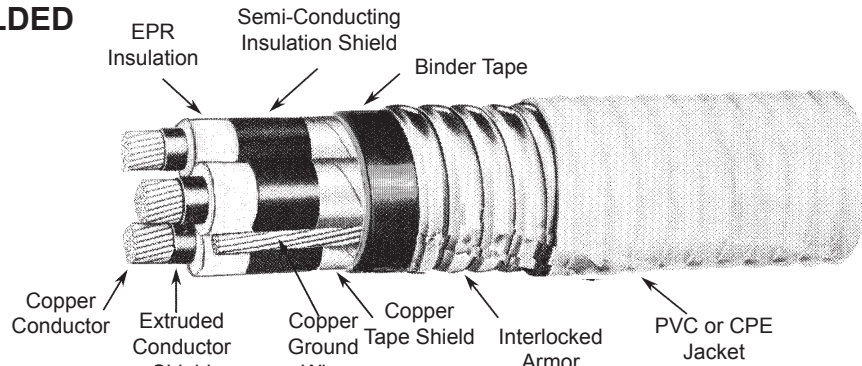


INTERLOCKED ARMORED POWER CABLE, 15000 VOLT EPR, SHIELDED

SPEC 3-82-3
Ver. 7.1
Revised: 12/30/08



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 15000 VOLT, SHIELDED, 100% INSULATION LEVEL

2	7	0.27	175	60	6	2.13	185	2170
1*	19	0.32	175	60	4	2.24	210	2520
1/0	19	0.34	175	60	4	2.27	240	2765
2/0	19	0.38	175	60	4	2.36	275	3130
3/0	19	0.42	175	75	3	2.49	315	3690
4/0	19	0.48	175	75	3	2.60	360	4250
250	37	0.52	175	75	2	2.73	400	4840
300*	37	0.61	175	75	2	2.97	445	5650
350	37	0.62	175	75	2	2.98	490	6155
400*	37	0.71	175	75	1	3.20	530	7010
500	37	0.74	175	85	1	3.26	600	8060
600*	61	0.87	175	85	1/0	3.58	660	9550
750	61	0.91	175	85	1/0	3.67	745	11145
1000*	61	1.12	175	85	2/0	4.15	860	14400

THREE CONDUCTOR 15000 VOLT, SHIELDED, 133% INSULATION LEVEL

2	7	0.27	220	60	6	2.33	185	2470
1*	19	0.32	220	60	4	2.48	210	2905
1/0	19	0.34	220	75	4	2.51	240	3155
2/0	19	0.38	220	75	4	2.59	275	3535
3/0	19	0.42	220	75	3	2.70	315	4040
4/0	19	0.48	220	75	3	2.81	360	4610
250	37	0.52	220	75	2	2.98	400	5305
300*	37	0.61	220	75	2	3.20	445	6120
350	37	0.62	220	75	2	3.21	490	6625
400*	37	0.71	220	85	1	3.40	530	7450
500	37	0.74	220	85	1	3.47	600	8508
600*	61	0.87	220	85	1/0	3.79	660	10040
750	61	0.91	220	85	1/0	3.88	745	11645
1000*	61	1.12	220	85	2/0	4.36	860	14965

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

*Compressed conductors.

§Weights based on aluminum armor assembly.

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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