P.O. Box 368. Union, NJ 07083-0368, 908-687-7810, 800-327-2443, Fax: 908-687-2722

Paige® irrigation spec **P7307D**

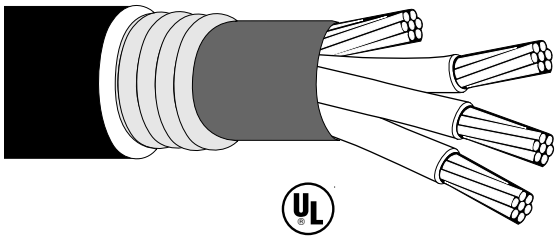
INTERLOCKED ARMOR CABLE 600 VOLT UL TYPE MC

INSULATION: (XLP) CROSS-LINKED POLYETHYLENE

JACKET: SUNLIGHT RESISTANT PVC

SIZES: 14 AWG - 750 MCM, 3 OR 4 CONDUCTOR

90°C WET/DRY



1.0 APPLICATIONS:

1.1 Designed for use as a power cable where maximum protection is require. The cable is UL listed for wet and dry locations and can be used for direct burial and submersible pump applications.

2.0 CONSTRUCTION:

2.1 ***Conductor:***
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.

2.10 ***Underwriters' Laboratories Approval:***
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

3.0

SIZE AWG OR MCM	STRAND (NO.)	INSULATION THICKNESS (MILS)	COPPER GROUNDING CONDUCTOR(S) (AWG)	DIAMETER OVER ARMOR (INCH)	PVC JACKET THICKNESS (MILS)	APPROX. DIAMETER OVERALL (INCH)	APPROX. NET WT. PER 1000 FT. (LBS.)		AMPACITY* (30°C AMBIENT WET/DRY) 90°C
							ALUMINUM ARMOR	GALV. ARMOR	
THREE CONDUCTOR									
14	7	30	14	.575	50	.675	200	297	25
12	7	30	12	.575	50	.675	236	333	30
10	7	30	10	.575	50	.675	291	393	40
8	7	45	10	.718	50	.818	405	530	55
6	7	45	8	.806	50	.906	542	682	75
4	7	45	8	.905	50	1.010	723	881	95
2	7	45	6	1.030	50	1.130	1024	1209	130
1	19	55	6	1.270	50	1.270	1247	1455	150
1/0	19	55	6	1.410	50	1.410	1534	1852	170
2/0	19	55	6	1.520	60	1.520	1859	2203	195
3/0	19	55	4	1.630	60	1.630	2305	2682	225
4/0	19	55	4	1.760	60	1.760	2760	3169	260
250	37	65	4	1.910	60	1.910	3196	3641	290
350	37	65	3	2.140	60	2.140	4249	4757	350
500	37	65	2	2.450	75	2.450	6344	6923	430
750	61	80	1	2.940	75	2.940	9028	9719	535
FOUR CONDUCTOR									
14	7	30	16	.575	50	.675	233	338	20
12	7	30	14	.575	50	.675	270	372	24
10	7	30	12	.600	50	.700	349	455	32
8	7	45	12	.780	50	.880	498	633	44
6	7	45	10	.870	50	.980	673	826	60
4	7	45	10	.990	50	1.090	914	1090	76
2	7	45	8	1.140	50	1.240	1326	1530	104
1	19	55	8	1.330	60	1.450	1675	2000	120
1/0	19	55	8	1.430	60	1.550	1990	2340	136
2/0	19	55	8	1.540	60	1.660	2376	2579	156
3/0	19	55	6	1.670	60	1.790	2911	3328	180
4/0	19	55	6	1.810	60	1.930	3510	3959	208
250	37	65	6	1.980	60	2.100	4076	4571	232
350	37	65	4	2.230	75	2.380	5889	6449	280
500	37	65	4	2.550	75	2.700	8072	8716	344
750	61	80	3	3.090	85	3.260	11670	12439	428

*Per NEC Table 310-16.
**Fillers when needed.
NOTE: The data shown is approximate and subject to standard industry tolerances.