



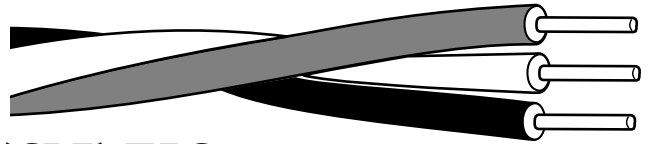
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Paige SPEC P7263D



SUBMERSIBLE PUMP CABLE

INSULATION: RUBBER (RHW)
600 VOLTS



JACKET: HEAVY DUTY COLORED (CPE) 75C
SIZES: 14 AWG to 2 AWG
2,3 CONDUCTOR WITH OR WITHOUT GROUND
USE/RHW 12 AWG AND LARGER

1.0 SCOPE:

1.1 This specification covers the construction requirements for submersible pump cable rated at 600 volts at operating temperatures up to 75 C. Individual conductors are insulated with "RHW" rubber and jacketed with colored CPE, and then twisted together. This cable is also suitable for direct burial UL labeled as follows: Sizes 14 AWG as "Submersible Pump Cable"; 12AWG to 2AWG as "USE-RHW" and "Submersible Pump Cable"

2.0 CONSTRUCTION:

2.1 2 & 3 CONDUCTORS - WITHOUT GROUND

SIZE AWG	STRANDING	INSULATION WALL	JACKET WALL	OVERALL DIAMETER	WEIGHT	AMPAC.
14/2	SOLID	.045"	.030"	.440"	67	15
12/2	SOLID	.045"	.030"	.490"	90	20
10/2	SOLID	.045"	.030"	.520"	120	30
8/2	SOLID	.060"	.030"	.680"	210	50
14/3	SOLID	.045"	.030"	.460"	105	15
12/3	SOLID	.045"	.030"	.520"	135	20
10/3	SOLID	.045"	.030"	.560"	180	30
8/3	SOLID	.060"	.030"	.740"	328	50
6/3	19 x .0372"	.060"	.030"	.820"	447	65
4/3	19 x .0469"	.060"	.030"	.920"	630	85
2/3	19 x .0591"	.060"	.030"	1.080"	860	115

2.2 2 & 3 CONDUCTORS - WITH GROUND

SIZE AWG	STRANDING	GROUND SIZE	INSULATION WALL	JACKET WALL	OVERALL DIAMETER	WEIGHT	AMPAC.
14/2G	SOLID	14	.045"	.030"	.506"	120	15
12/2G	SOLID	12	.045"	.030"	.512"	165	20
10/2G	SOLID	10	.045"	.030"	.559"	207	30
8/2G	SOLID	10	.060"	.030"	.640"	348	50
14/3G	SOLID	14	.045"	.030"	.550"	150	15
12/3G	SOLID	12	.045"	.030"	.575"	206	20
10/3G	SOLID	10	.045"	.030"	.626"	250	30
8/3G	SOLID	10	.060"	.030"	.750"	443	50
6/3G	19 x .0372"	8	.060"	.030"	.875"	607	65
4/3G	19 x .0469"	8	.060"	.030"	1.000"	879	85
2/3G	19 x .0591"	6	.060"	.030"	1.200"	1420	115

Note: grounds have identical strandings, insulation and jacketing thickness.

2.3 Conductors:

Soft drawn bare copper conforming to ASTM B-3. Stranding shall conform to ASTM B-8.

2.4 Insulation:

UL RHW, 75 C, rubber, conforming to UL standard 44.

2.5 Jacket:

UL heavy duty CPE, colored, conforming to UL standard 44.

2.6 Color Code:

Jacket colored as follows:
2/C cables: BLACK/YELLOW
3/C cables: BLACK/YELLOW/GREEN
4/C cables: BLACK/YELLOW/RED/GREEN

2.7 Assembly:

Two, three or four jacketed conductors are twisted together in a suitable lay.

2.8 Marking:

Ink print jacket surface:
"Size AWG Type USE or Type RHW
600 Volts Paige Electric Corp. (UL)
Submersible Pump Cable.

2.9 Testing:

Physical and Electrical tests in accordance with the requirements of Underwriters' Laboratories standards 44 and 854 for Type USE/RHW Submersible Pump Cables.