

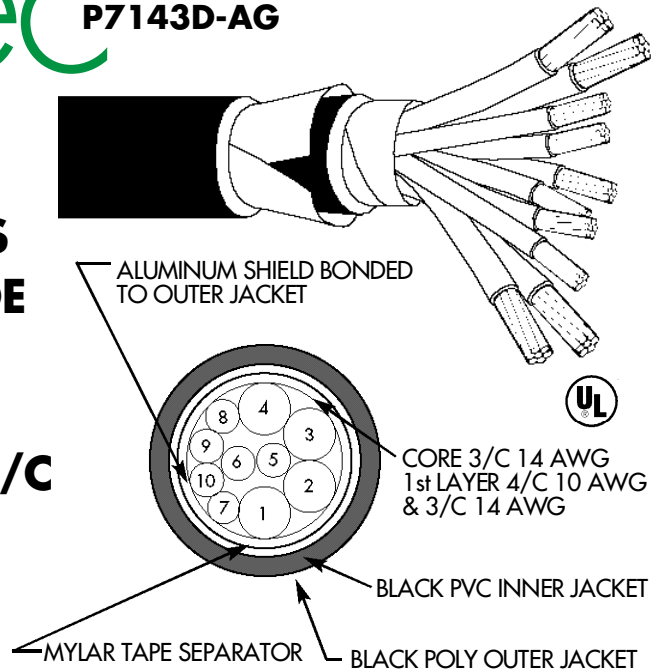


904-543-1223, 800-997-2443, Fax: 904-543-1734, www.paigeelectric.com

agwire spec

P7143D-AG

**BONDED SHIELD
IRRIGATION CABLE FOR
POWER & CONTROL CIRCUITS
INSULATION: POLYVINYL CHLORIDE
& NYLON
OUTER JACKET: POLYETHYLENE
SIZES: 10 AWG 4/C, 14 AWG 6/C**



1.0 SCOPE:

1.1 This specification covers construction requirements for a multi-conductor cable designed to operate electric motor driven irrigation systems, consisting of copper conductors insulated with PVC and nylon, cabled utilizing a PVC inner jacket, and an aluminum shield bonded to a PE outer jacket offering excellent mechanical strength and moisture resistance. Cable is U.L. listed as Irrigation Cable U.L. 1263, and made in accordance with Article 675 of the National Electrical Code.

2.0 CONSTRUCTION:

2.1

NO. OF COND.	SIZE (AWG)	STRANDS	INSULATION WALL
4	10	7 OR 19	.020" PVC/.004 NYLON
6	14	7 OR 19	.015" PVC/.004 NYLON

2.2 Conductor:

Stranded, soft annealed uncoated copper conforming to ASTM B-8.

2.3 Insulation:

Polyvinyl Chloride and Nylon conforming to U.L. Style THHN/THWN for 14 AWG or larger and TFN or TFFN for 16 AWG and 18 AWG.

2.4 Cable Assembly:

Insulated conductors are cable together in a suitable lay with an optional but not required 1 mil mylar tape wrapped helically over the assembly, 10% minimum overlap.

2.5 Color Coding:

10 AWG - (1)Red, (2)Black, (3)Blue, (4)Green/Yellow stripe.

Yellow stripe must cover a minimum of 30% and maximum of 50% of the insulated conductor circumference and may be spirally or longitudinally applied.

14 AWG - (5)White, (6)Yellow, (7)Purple, (8)Orange, (9)Brown, (10)Pink

2.6 Inner Jacket:

Polyvinyl chloride conforming to IPCEA S-61-402 and NEMA WC5 - minimum average wall thickness .030".

2.7 Shield:

.008 aluminum specially coated and applied in order to bond to the outer jacket.

2.8 Outer Jacket :

Sunlight resistant Polyethylene conforming to IPCEA S-61-402, NEMA WC5 and U.L 1263. Minimum Average .050"

2.9 O.D.:

.760" ± .050.

2.10 Surface Printing:

Paige P7143D 10/4-14/6 600V Art. 675 NEC E _____(U.L.) DIR BUR.

2.11 Print:

Sequentially print footages every 2 ft.