

PROOF POSITIVE MOTOR DROP CABLE

SPEC

P7394D - AG



INSULATION: POLYVINYL CHLORIDE & NYLON
OUTER JACKET: POLYETHYLENE
SIZES: 4/C CABLE, 14 AWG 4/C



1.0 APPLICATION

- 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 accordance with Article 675 of the National Electrical Code
- 1.2 The 1/8" Proof Positive marker tape is pre-printed with highly visible license code, serial numbers and www.2idcu.com every 3". A bright yellow UV resistant jacket provides a deterrent to theft and alerts recyclers to run a database check at www.2IDCU.com to verify rightful owner.

2.0 CONSTRUCTION

2.1

NO. OF COND.	SIZE (AWG)	STRANDS	INSULATION WALL
4	14	7	.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 UL Style THHN/THWN for 14 AWG or larger and TFN for 16 AWG and 18 AWG.

2.4 CABLE ASSEMBLY:

Insulated conductors are cabled 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 INNER JACKET:

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

2.6 COLOR CODING:

(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.

2.7 SHIELD:

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

2.8 OUTER JACKET:

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

2.9 O.D.:

.500" ± .010"

2.10 SURFACE PRINT:

Proof Positive ® Span Cable Shielded Paige 14 AWG 4/C Irrigation Cable 600V NEC ART 675 E323789 (UL) Dir. Bur. (Date) Sequential Footage (Every 2 ft) Traceable Traceable Traceable Traceable Traceable Traceable Traceable Traceable