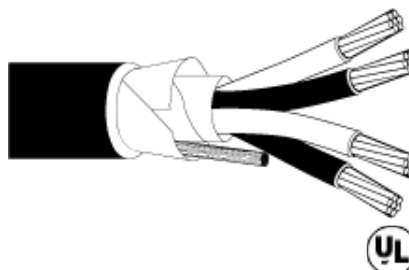


P.O. Box 368, Union, NJ 07083-0368, 908-687-7810, 800-327-2443, Fax: 908-687-8860



**SHIELDED & ARMORED  
BURIED SIGNAL CABLE**  
INSULATION: POLYETHYLENE  
JACKET: PE  
SIZES: 18 AWG, 4 CONDUCTOR/2 PAIRS



**1.0 SCOPE:**

**1.1** This specification covers a multi-pair direct burial shielded cable designed to carry signals for Irrigation Control Equipment. It also includes a .005" stainless steel helically wrapped armor over the core and direct burial sunlight resistant PVC jacket overall. This cable offers complete protection against gophers and other rodents.

**2.0 CONSTRUCTION:**

**2.1**

NO. OF PAIRS	NO. OF COND.	SIZE (AWG)	STRANDS	INSULATION WALL
2	4	18	7	.015" HIGH DENSITY PE

**2.2 Conductor:**

Stranded soft annealed tin coated copper conforming to ICEA S-56-434.

**2.3 Insulation:**

High density Polyethylene conforming to ICEA S-56-434.

**2.4 Cable Assembly:**

Insulated conductors are twisted into a pair and then cabled together.

**2.5 Color Coding:**

Pair 1 - Red, Black  
Pair 2 - Blue, Orange

**2.6 Shielding:**

.00235" aluminum/mylar tape helically applied.

**2.7 Drain Wire:**

A 20 AWG tinned copper drain wire is laid in under the shield in contact with the aluminum side.

**2.8 Barrier Tape:**

Glass reinforced/mylar tape is applied over shield.

**2.9 Armor:**

A .005" x .500" Type 304 stainless tape is helically wrapped around the core with a minimum of 25% overlap.

**2.10 Jacket :**

.045" sunlight resistant PVC jacket conforming to ICEA S-61-402, suitable for direct burial.

**2.11 Roundness:**

Cable to be round and smooth with no convolutions.

**2.12 O.D.:**

.410"

**2.13 Surface Printing:**

"2 Pr. 18 AWG Shld/Arm D/B Paige P7171D-A."