

**UNDERGROUND  
COMMUNICATION CABLE  
SHEILDED & ARMORED  
SIZE: 16 AWG/ 1 PAIR  
WITH DRAIN WIRE**



**1.0 SCOPE:**

**1.1** This specification covers requirements for an underground shielded cable designed to transmit and receive signals between irrigation satellites, central computers, weather stations, and sensors. The cable utilizes stranded insulated conductors, aluminum shield and drain wire to minimize electrical, magnetic, and radio frequency interference. The cable also features stainless steel tape armor for protection against rodents and for shielding of lightning and power surges. The cable is listed by UL or ETL or CSA.

**2.0 CONSTRUCTION:**

**2.1**

NO. OF COND.	SIZE (AWG)	STRAND	INSULATION WALL (MILS)	JACKET		WEIGHT (LBS/MFT)
				WALL (MILS)	O.D. (IN.)	
2	16	7	16	45	.450	92

**2.2 Conductors:**  
Stranded soft annealed tin coated copper conforming to ASTM-B-3 and B-8.

**2.3 Insulation:**  
PVC, yellow and gray.

**2.4 Cable Assembly:**  
The insulated conductors and the drain wire are twisted together with a 3" maximum lay

**2.5 Shield:**

A 2 mil aluminum backed polyester shielding with a #16 AWG solid tinned copper drain wire in contact with the aluminum side with a 25% minimum overlap.

**2.6 Armor:**

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

**2.7 Jacket:**

Black Polyethylene, sunlight and moisture resistant.

**2.8 Surface Print:**

PAIGE ELECTRIC P7162D-A LISTING AGENCY AND NUMBER 16 AWG 1PR SHIELDED/ARMORED 30V SPRINKLER SYSTEMS WIRE AND/OR UNDERGROUND LOW ENERGY CIRCUIT CABLE RoHS COUNTRY OF ORIGIN. SEQUENTIAL FOOTING EVERY 2'.

**Paige Part Number:**

180096TH

NOTE: Compatible with Toro Control Systems, Weather Stations, and sensor circuits.