



spec

P7162D - Rev 11

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



**1.0 SCOPE:**

**1.1** This specification covers requirements for a direct burial 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.

**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	.300	55

**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. Non-hydroscopic fillers are inserted in the valleys to ensure roundness.

**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 Jacket:**

Black Polyethylene, sunlight and moisture resistant.

**2.7 Listing:**

This cable is listed by UL or ETL or CSA using UL Standard 1493.

**2.8 Surface Print:**

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

**2.9 Paige Part Number:**

180095TH

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