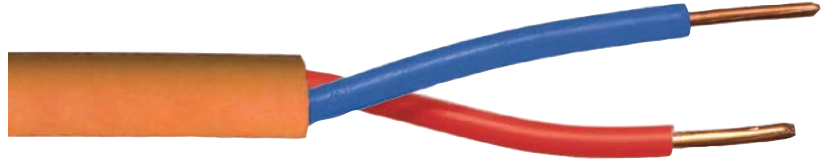




# spec P7354D - Rev 4

## HUNTER JACKETED DECODER CABLES DIRECT BURIAL



**SIZES: 14 & 12 AWG, SOLID COPPER, 2-CONDUCTOR**



**1.0 SCOPE:**

**1.1** This specification covers jacketed cables containing two listed Golf Course Sprinkler wires, single conductor, suitable for direct burial, for operation up to 600 volts, and temperatures up to 60°C.

**2.0 CONSTRUCTION:**

**2.1 Inner Conductors:**  
Soft drawn bare copper meeting the requirements of ASTM specification B-3 or B-8. Insulation shall be low density high molecular weight polyethylene and a thickness of 0.045", per Paige Electric specification P7079D. The two conductors (blue and red) shall be twisted with a minimum lay of 4".

**2.2** An optional Mylar tape may be used over the conductors.

**2.3** A rip cord shall be placed directly below the outer jacket.

**2.4 Overall jacket:**  
High density polyethylene with a thickness of 0.035". Available with different color jackets as listed in the table below. The jacket shall be sufficiently round, and loose, to facilitate its removal when being stripped. Minimum inner diameters of the outer jacket:

CONSTRUCTION	INCHES	mm
14 AWG/2c	0.358	9.1
12 AWG/2c	0.386	9.8

A "T" drill bit, whose diameter is 0.358", shall be used to measure the minimum inner diameter of 14 AWG/2c cables.

A "W" drill bit, whose diameter is 0.386", shall be used to measure the minimum inner diameter of 12 AWG/2c cables.

**2.5 Surface Print:**

**2.51** Inner Conductors – "Paige Electric P7079D 14 AWG PE Listing file Number 600V Sprinkler System Direct Burial"

**2.52** Outer Jacket – "Paige Electric, P7354D, 14 or 12 AWG PE 600V Sprinkler System Wire Direct Burial Only for Hunter Decoder Systems RoHS"

**3.0 TEMPERATURE RATING**

**3.1 Color Code:**  
-55°C to +60°C

**4.0 PUT-UPS**

**4.1** 1000' (328m), 2500' (762m) and some odd lengths.

**5.0 SPLICING RECOMMENDATIONS:**

Wire splices are the weak link of any electrical circuit. It is especially important to make proper joints in irrigation systems because the joints are exposed to wet and damp environments that can cause corrosion of the copper conductor, and premature failure. Paige Electric recommends the strict use of Model DBR/Y-6, as manufactured by the 3M Company (Paige specification P7364D) for 14 AWG 2 or 3 conductors. For 12 AWG and splices of 4 to 6 conductors, Paige Electric recommends its Re-enterable connectors (Paige Specification P7408D).

PAIGE PART NO.	SIZE		JACKET COLOR	SHIPPING WEIGHT					
	AWG	mm <sup>2</sup>		Lbs/1000'	Kg/328m				
170801BU	14	2,08	Blue	65	30				
170801GY			Gray						
170801PR			Purple						
170801YL			Yellow						
170801OG			Orange						
170801TN			Tan						
170801RD			Red						
170802BU			12			3,32	Blue	80	36
170802GY							Gray		
170802PR							Purple		
170802YL	Yellow								
170802OG	Orange								
170802TN	Tan								
170802RD	Red								