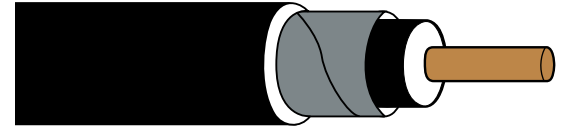




spec

P7167D - Rev 7

ARMORED DIRECT BURIAL CABLE INSULATION: POLYVINYL CHLORIDE SIZES: 14, 12 & 10 AWG SINGLE CONDUCTOR, 600 VOLTS



1.0 SCOPE:

1.1 This specification covers a single conductor direct burial cable utilizing listed (by UL or ETL) type UF/TWU wire, armored with stainless steel tape, and having a sunlight resistant outer jacket. The armor makes the cable rodent and lightning resistant, especially if the stainless steel tape is connected to earth ground.

2.0 CONSTRUCTION:

2.1 Conductor:
14, 12 or 10 AWG solid annealed copper conforming to ASTM B-3.

2.2 Insulation:
Black polyvinylchloride conforming to UL Style UF, 60°C, 600 volts, and average thickness of 0.060".

2.3 Armor:
Stainless steel tape, type 304 (0.005' x 0.500"), is helically wrapped over the UF wire with a 33% minimum overlap.

2.4 Binder:
An optional clear Mylar tape may be applied over the PVC conductor and under the stainless steel tape, with 100% overlap.

2.5 Outer Jacket:

2.5.1 Sunlight resistant polyvinylchloride conforming to ICEA S-61-402, NEMA WC5 and UL 1263. The nominal thickness is 0.030".

2.5.2 Print Legend: PAIGE ELECTRIC USA P7167D xxAWG (x.xmm2) TYPE UF ARMORED (RODENT PROOF) 600V RoHS.

3.0 SPlicing RECOMMENDATIONS:

3.1 Wire splices/joints are the weak link of any electrical circuit. It is especially important to make proper joints in irrigation systems because they are exposed to wet and damp locations that 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 Electric part number 270674 and specification P7364D.)

SIZE (AWG)	STRANDING	INSULATION WALL (INCHES)	APPROX. DIAMETER (INCHES)
14	SOLID	0.060	0.258
12			0.275
10			0.296