



**Part Number:** 642701PE  
**Description:** Twenty-seven 14 AWG Conductors and one 10 awg conductor CALTRANS Traffic Signal Cable 600v  
**Suitable Application:** Traffic Signaling Cable

**Construction Details Component 1:**

Total Number Conductors 27  
 Awg 14  
 Stranding Solid  
 Conductor Material Bare copper  
 Insulation Material Polyvinylchloride  
 Insulation Thickness .015"  
 Nominal Insulation Diameter .094"  
 Color Code See below  
 Nylon Thickness .005"  
 Nominal Diameter .104"

**Construction Details Component 2:**

Number of Conductors 1  
 Awg/Stranding 10 Solid bare copper  
 Insulation Material Polyvinylchloride  
 Insulation Thickness .020"  
 Nylon Thickness .005"  
 Nominal Diameter .152"  
 Cabling Overall Lay 8.50" left hand lay  
 Fillers If necessary to make round.  
 Tape Material Clear Mylar tape  
 Nominal Cabling Diameter .683"  
 Final Jacket Material Low density polyethylene  
 Nominal Thickness .080"  
 Nominal Jacket Diameter .843"  
 Ripcord Yes

**Print (Inkjet)**

Inkjet Print Yes  
 Sequential Foot Marks Yes

**Print Sample Generic Legend:**

**ADVANCED DIGITAL CABLE CALTRANS 14 AWG 27C & 10 AWG 1C THWN 600V 75°C YYYY**

**Electricals:**

Voltage Rating: 600 Volts  
 Temperature Rating -39°C to +75°C  
 Conductors ASTM B-3  
 Capacitance CDR 39.16 pF/ft  
 Color Code:  
 27 conductors Per CALTRAN Specs  
 1 10 awg conductor White

**Applicable Standards:**

UL or ETL Type N/A  
 ROHS Compliant Yes

Customer Name: \_\_\_\_\_ Date Signed: \_\_\_\_\_

Customer Approval: \_\_\_\_\_

Specification Issue Date: 5/23/12