

## **X8730571 ELECTRIC CABLE IN CONDUIT, COAXIAL (LCDOT)**

Effective: October 1, 2016

Revised:

LC873.04

**Description:** This work shall consist of furnishing and installing a coaxial cable from the traffic signal cabinet to the associated field device as shown on the plans.

**Materials:** The coaxial cable shall be an RG-6/U Type low loss digital coaxial cable. The cable shall be a 75-ohm coaxial cable with 18 AWG solid 0.040" bare copper conductor, tinned copper braided shield (95% min), and black polyvinyl chloride jacket. The nominal outside diameter shall be 0.274 inches. The cable shall be rated suitable for outdoor use by the manufacturer.

**General:** The work shall be performed according to the applicable portions of Section 873 of the "Standard Specifications", the details shown on the plans and the following:

Crimp-on BNC plug connectors with 75-ohm resistance shall be used at both the PTZ camera and traffic signal cabinet ends of the cable. The Contractor shall use a hand crimping tool recommended by the plug connector manufacturer to perform the termination.

No splices shall be allowed in the cable between the PTZ camera and the traffic signal cabinet.

**Basis of Payment:** This work will be paid for at the contract unit price per foot for ELECTRIC CABLE IN CONDUIT, COAXIAL. *The unit price shall include all equipment, materials and labor required to furnish and install the cable making all electrical connections necessary for proper operation.*