

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.*