

Fig. 7

CITY OF NEWARK COMMERCIAL CABLE SPECIFICATIONS

15 kV Primary underground cable with jacketed concentric neutral.

1. Conductor to be #2 copper, 7 strand copper.
2. Conductor shall have an extruded semi-conducting shield.
3. Insulation shall be 175 mils tree retardant cross-linked polyethylene.
4. The insulation shall be shielded with semi-conducting insulation shield.
5. Directly over the insulation shield a full concentric neutral shall be applied consisting of 16 #14 or equivalent bare copper wires.
6. Cable shall be identified on the insulation shield indicating manufacturer, year, size, conductor metal, insulation type and thickness and voltage rating.
7. Cable shall be suitable for continuous operation at a temperature of 90o C and 130o C for emergency overload conditions.
8. Cable shall meet or exceed latest revision of AEIC No. 5 and ICEA S-66-524.
9. Conductor to have a polyethylene jacket.

TERMINATIONS

3M 7642S2-2 NO SUBSTITUTES

ELBOWS

Elastimold 165LRB5220 NO SUBSTITUTES

RV/cm
10/13/05