

## Electrical Work and Service Connections

### Distribution Company Awareness

This bulletin addresses Electrical Distributors performing work associated with installing customer-owned electrical cables for connecting a customer to the distribution system.



Picture 1



Picture 2

### ESA Direction

Electrical Distributors are permitted to perform work on customer-owned equipment that is directly associated with making a connection to the distribution system, under Regulation 22/04, including but not limited to the following examples:

- Installing cables up the pole which includes associated protection (e.g. cable guards, sunlight protection for inner conductors, etc) (Picture 1);
- Installing cables into subsurface chambers or boxes and backfilling the trench; or
- Installing cables into foundations or pad-mounted equipment and backfilling the trench (Picture 2).

Safety standards must be met for compliance with Regulation 22/04, including the applicable sections of the Ontario Electrical Safety Code (OESC) or CSA Standards.

## ESA Recommends

It is recommended that Electrical Distributors meet the requirements of Rules 2-100 to 86-404 of the OESC where applicable to the customer-owned equipment being installed. Some frequently applied OESC rules are the following:

- OESC Rule 6-114 requires a weatherhead to be installed for riser mechanical protection such as a PVC conduit.
- OESC Rule 2-136 requires insulated conductors and cables exposed to direct rays of the sun to be marked sunlight resistant “SR”, “Sun Res” or “Sunlight Resistant”. When the outer covering of the cable assembly marked sunlight resistant has been removed for termination, the inner jacket of the internal insulated conductors exposed to direct sunlight shall be:
  - marked as sunlight resistant; or
  - protected by tubing, tape or equivalent that is marked as sunlight resistant.

When Electrical Distributors permit non-Distributor persons to install the cable (e.g. riser installations), it is recommended that the customer be required to hire a Licensed Electrical Contractor qualified to do the work safely. This is recommended to ensure customers or other unqualified people (e.g. some 309 Construction & Maintenance Electricians) do not endanger themselves and/or breach the safe limits of approach under the Occupational Health and Safety Act.