
STANDARDS BULLETIN No : S01-064

SUBJECT: Consumer's Service Guidelines - Maximum Allowed Low Voltage Underground Cables to be terminated on an Overhead Transformer Pole.

Purpose:

To limit the maximum allowed low voltage underground cables to be terminated on an overhead transformer pole to 2 x 240sqmm single core cables per phase.

Reason:

- To reduce OH&S issues with manual handling of large and heavy service cables.
- To reduce maintenance issues relating to excess weight on LV bushings.
- To offer better protection to both PWC and customer assets via MCCB protection, when an underground substation is used for larger consumers.

Requirements:

- Up to a maximum of 240sqmm AL XLPE insulated single core cable is used, as shown in S02-1-1-19 item 5.
- Up to 2 x 240sqmm single core cable per phase.
- One 100mm conduit to house each set of 240sqmm circuit cables.
- Where the customer's maximum demand exceeds the calculated ratings of 2 x 240sqmm single core cables in conduits, larger sized cables will be allowed with the establishment of a package substation or indoor substation where applicable.

Implementation:

This practice is to be made with immediate effect.