

Technical Bulletin

TB 0351 – New LV Underground Aluminium Cable For Street Lighting

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Purpose

This technical bulletin informs our internal staff and Authorized Service Providers (ASPs) about the introduction of a new low-voltage, underground aluminium cable for street lighting columns.

Background

Endeavour Energy has been facing an escalating challenge due to a surge in cable theft across the network. Copper found in cables, being a high-value commodity, has become the target of thieves, significantly impacting the reliability of the existing electrical infrastructure. This has resulted in substantial operational and maintenance costs, with frequent disruptions in the street lighting system leaving public spaces in darkness.

Actions

To mitigate these challenges and to ensure a seamless power supply, Endeavour Energy is introducing a new low-voltage aluminium cable specifically for street lighting. This is intended to discourage theft of streetlighting cable due to aluminium being of a lower-value commodity. In addition, labelling shall be required to provide notice where this new cable is installed. The following materials are now approved for use in the network:

Item Description	Material Number
4 core 25mm ² Al, XLPE insulation / PVC sheath cable	1000009490
Sign, 150mm X 70mm, Matt Lamination-Notice "Notice – Aluminium Cables Installed In This Area"	1000010010

Implementation

The contents of this Technical Bulletin shall be implemented immediately for all street lighting installations.

Impacted Standards

The contents of this technical bulletin will be included in the next update of:

- LDI 0001

Contacts

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