

Title	Terminate low voltage polymeric insulated power cables in the electricity supply industry		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to terminate low voltage polymeric insulated power cables in the electricity supply industry.
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Classification	Electricity Supply > Electricity Supply - Distribution Networks
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Available grade	Achieved
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable legislative and industry requirements.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of the Health and Safety at Work Act 2015; Electricity Act 1992; Electricity (Safety) Regulations 2010; and any subsequent amendments and replacements; Electricity supply industry codes of practice and documented enterprise procedures, including *Safety Manual – Electricity Industry* (SM-EI) (2015) Wellington: Electricity Engineers' Association, available at www.eea.co.nz.
- 3 Definitions
Asset owner refers to a participant who owns or operates assets used for generating or conveying electricity.
Industry requirements include all asset owner requirements; manufacturers' specifications; and enterprise requirements which may include the documented workplace policies, procedures, specifications, business, and quality management requirements relevant to the workplace in which assessment is carried out.
Low voltage – voltages exceeding 50V AC but not exceeding 1000V AC.
- 4 This unit standard excludes tough plastic sheath (TPS) type cables.
- 5 It is recommended people achieve Unit 10507, *Use personal protective equipment in an electricity supply environment*; Unit 10508, *Identify electricity systems used in the electricity supply industry*; Unit 12300, *Demonstrate knowledge of safety statutes and codes used in the electricity supply industry*; and Unit 18038, *Describe health and safety duties on electricity supply sites*, or demonstrate equivalent knowledge and skills, before being assessed against this unit standard.

Outcomes and performance criteria

Outcome 1

Terminate low voltage polymeric insulated power cables in the electricity supply industry.

Performance criteria

- 1.1 Work site is prepared, and a safe working zone is established.
Range includes – scope of work, identification and testing of cables.
- 1.2 Terminations are prepared.
Range cleaning, glanding, stripping.
- 1.3 Conductors are terminated.
Range compression, mechanical, sweat, weld.
- 1.4 Conductors are reinsulated.
Range barrier, elastomer, heat shrink, tapes.
- 1.5 Earth continuity and mechanical integrity are re-established.
- 1.6 Cables are tested for insulation resistance, polarity, and mechanical protection.
- 1.7 Termination locations are reported.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 October 2003	31 December 2022
Review	2	20 November 2009	31 December 2022
Review	3	27 February 2020	N/A

Consent and Moderation Requirements (CMR) reference	0120
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Connexis – Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.