

Title	Terminate and joint de-energised low voltage polymeric insulated power cables		
Level	3	Credits	6

Purpose	People credited with this unit standard are able to: terminate de-energised low voltage polymeric insulated cables; and joint de-energised low voltage polymeric insulated cables.
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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 industry and legislative 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 from 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 cover the documented workplace policies, procedures, specifications, business, and quality management requirements relevant to the workplace in which assessment is carried out.
LV is defined as low voltage and includes voltages exceeding 50 volts AC but not exceeding 1000 volts AC.
Polymeric cable is the technical term for what the industry generally defines as plastic cable.
- 4 This unit standard excludes tough plastic sheath (TPS) type cables.
- 5 Recommended skills and knowledge:
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.

Outcomes and performance criteria

Outcome 1

Terminate de-energised low voltage polymeric insulated cables.

Range evidence of three terminations is required.

Performance criteria

1.1 Cables, tools and equipment are checked in preparation for termination.

Range scope of work, safe working zone, testing of cables, preparation of termination.

1.2 Conductors are terminated and re-insulated.

Range lug installation including compression, mechanical.

1.3 Earth continuity and mechanical integrity is re-established.

1.4 Termination is enclosed.

Range below ground, above ground.

1.5 Cables are tested.

1.6 Completed work is reported concisely, in the required format, and within required time-frames.

Outcome 2

Joint de-energised low voltage polymeric insulated cables.

Range evidence of three joints is required.

Performance criteria

2.1 Cables, tools and equipment are prepared.

Range scope of work, safe working zone, testing of cables, preparation of joints, creation of equipotential zones.

2.2 Conductors are jointed and re-insulated.

2.3 Earth continuity and mechanical integrity is re-established.

2.4 Cables are tested.

- 2.5 Completed work is reported concisely, in the required format, and within required time-frames.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 August 1997	31 December 2016
Review	2	27 April 2001	31 December 2016
Review	3	22 October 2003	31 December 2016
Rollover and Revision	4	25 October 2007	31 December 2016
Review	5	20 March 2014	31 December 2021
Review	6	28 November 2019	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 at qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.