

<b>Title</b>	<b>Joint high voltage polymeric insulated power cables up to 22kV in the electricity supply industry</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to joint high voltage polymeric insulated power cables up to 22kV in the electricity supply industry.
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<b>Classification</b>	Electricity Supply > Electricity Supply - Distribution Networks
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<b>Available grade</b>	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) available at [www.eea.co.nz](http://www.eea.co.nz).
- 3 Definitions  
*Asset owner* refers to a participant who owns or operates assets used for generating or conveying electricity.  
*HV* is defined as ‘high voltage’ and includes voltages exceeding 1000V AC.  
*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.
- 4 This unit standard excludes tough plastic sheath (TPS) type cables.

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### Outcomes and performance criteria

#### Outcome 1

Joint high voltage polymeric insulated power cables up to 22kV in the electricity supply industry.

Range evidence of three joints is required.

**Performance criteria**

- 1.1 Work site is prepared, and a safe working zone is established.  
 Range includes – scope of work, cable identification, cable testing, tools and equipment.
- 1.2 Terminations are prepared.  
 Range cleaning, conductor preparation, stripping, earthing.
- 1.3 Conductors are terminated and re-insulated.
- 1.4 Earth continuity, and mechanical and environmental integrity are re-established.
- 1.5 Cables are tested after jointing.  
 Range includes but is not limited to – HV pressure testing, insulation, phase testing to manufacturers’ specifications.
- 1.6 Joint as built is recorded to asset owner’s requirements.  
 Range includes but is not limited to – location, test results.

<b>Planned review date</b>	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	19 August 1997	31 December 2016
Revision	2	16 February 1999	31 December 2016
Review	3	27 April 2001	31 December 2016
Review	4	22 October 2003	31 December 2016
Rollover and Revision	5	25 October 2007	31 December 2016
Review	6	18 September 2014	31 December 2022
Review	7	27 February 2020	31 December 2022
Review	8	27 August 2020	N/A

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

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**Comments on this unit standard**

Please contact Connexis - Infrastructure Industry Training Organisation [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.