



Australian Government

ICTCBL205 Joint metallic conductor cable on customer premises

Release: 2

ICTCBL205 Joint metallic conductor cable on customer premises

Modification History

Release	Comments
Release 2	This version released with ICT Information and Communications Technology Training Package Version 5.0. Minor updates made to Knowledge Evidence.
Release 1	This version released with ICT Information and Communications Technology Training Package Version 2.0.

Application

This unit describes the skills and knowledge required to joint metallic conductor cable.

It applies to individuals who work in technical roles completing tasks on customer premises in underground situations, pits, jointing enclosures or above ground.

All customer cabling work in the telecommunications, fire, security and data industries must be performed by a registered cabler. All cablers are required to register with an Australian Communications and Media Authority (ACMA) accredited registrar.

Unit Sector

Telecommunications – cabling

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1 Prepare for jointing	1.1 Arrange access to site according to required procedures 1.2 Inform appropriate personnel of identified hazards on worksite 1.3 Organise tools, equipment and materials for given work 1.4 Review site plans and documentation 1.5 Select cable type and requirements for cable joint
2 Joint cable and test joint	2.1 Joint metallic cable following work health and safety (WHS) and environmental requirements and complying with manufacturer's requirements and relevant industry standards

ELEMENT	PERFORMANCE CRITERIA
	2.2 Perform relevant cable tests to ensure joint complies with site specifications, manufacturer's specifications and relevant legislation, codes, regulations and standards 2.3 Rectify any cable faults 2.4 Make visual inspection of joint to confirm soundness and completeness
3 Complete records and clean up site	3.1 Complete required records and notify customer 3.2 Remove installation waste and debris from worksite and dispose of according to environmental requirements to maintain safe worksite conditions 3.3 Reinstall site according to customer and company requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
Reading	Interprets textual information from relevant sources to identify relevant and key information
Writing	Uses clear, specific and industry related terminology to complete workplace documentation
Numeracy	Takes readings and measurements and interprets results
Navigate the world of work	Complies with explicit policies, procedures and legislative requirements relevant to own role
Interact with others	Identifies and follows accepted communication practices and protocols when liaising with internal and external personnel on technical and operational matters
Get the work done	- Determines job sequence and works logically and systematically to undertake clearly defined tasks - Analyses task requirements to decide on appropriate equipment and practices

Unit Mapping Information

ICTCBL205 Joining metallic conductor cable on customer premises supersedes and is equivalent to ICTCBL2016A Joint metallic conductor cable on customer premises

Links

Companion Volume Implementation Guides are available from VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTCBL205 Joint metallic conductor cable on customer premises

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- organise resources and prepare for the task of jointing
- joint at least one 20 pair (or greater) cable
- test joint
- interpret test results
- rectify cable faults
- check that the enclosure is properly sealed
- comply with all related work health and safety (WHS) requirements and work practices.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- the current Australian Communications and Media Authority (ACMA) Competency Requirements for Telecommunications Cabling Provider Rules, legislation, codes of practice and other formal agreements that impact on the work activity
- features and operating requirements of test equipment
- information required to operate equipment according to a test specification
- manufacturer's requirements for safe operation of equipment
- specific WHS requirements relating to the activity and site conditions
- test methods and performance requirements

- typical issues and challenges that occur on site
- purpose, construction and characteristics of cable types
- cable colour screening
- basic telephony, including operation.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- sites where jointing metallic conductor cable may be conducted
- use of joint testing equipment currently used in industry
- relevant regulatory and equipment documentation that impacts on cable jointing and testing activities.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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