



Acceptance Services
Network Rail
Floor 3, 40 Melton Street
London. NW1 2EE

Certificate of Acceptance

Certificate No: PA05/03862 Issue: 1 Date: 28/05/2009
Effective date: 28/05/2009 Page 1 of 5

Product:	Unit Twin Copper Telecommunications Cable
Manufacturer:	Aberdare Cables De Comunicaciones
UK Distributor:	Eland Cables 120 Highgate Studios 53-79 Highgate Road London. NW5 1TL

The product above is accepted for use on Network Rail infrastructure within the defined scope of acceptance and any specific conditions in the certificate. Failure to abide by the certificate requirements may lead to acceptance by Network Rail becoming invalid.

Scope of Acceptance

Manufacture and supply of the following unit twin copper telecommunications cable in accordance with NR/PS/TEL/00015 (issue 3) for 2, 5, 10, 20, 30, 50, 75 and 100 pairs;

- Polyethylene sheathed cable
- Polyethylene sheathed armoured cable

Specific Conditions:

Refer to the pages which follow for the product configuration and detailed conditions of use.

Authorised by:

Paul Darlington CEng MIET MIRSE
Head of Telecommunications Engineering



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SPECIFIC CONDITIONS

MANUFACTURER

- The sheath marking shall include the **manufactured length** as specified by NR/PS/TEL/00015.
- All quality check records and completed quality plans related to the manufacturing of telecommunication cables to NR/PS/TEL/00015 shall be kept for at least 5 years and be available for Network Rail to audit with a minimum of 7 calendar days notice.
- No change can be made to the approved cables until the proposed change has been submitted to Network Rail for assessment and accepted.
- Ensure that the latest relevant standards/ drawings are available and worked to, and that the product is compliant.
- Notify Network Rail Acceptance Services:
 - Within 48 hours, of any deficiencies affecting the product quality, functionality and safety integrity of the product (including corrective action undertaken or proposed).
 - Of any intended change to the accepted product. Changes include:
 - a) a change to the product configuration (to the actual product or its application);
 - b) a variation to or addition of manufacturing locations or processes; and
 - c) a change in the name or ownership of the manufacturing company.
- Provide all documentation in the English (UK) language.
- Provide operating and maintenance manuals to purchasers/users of the product.
- Provide training manuals and an appropriate level of training to purchasers/users of the product.

USER CLAUSES

- Although the stated minimum bending radius is 7.5 x external diameter, the user shall adhere to the generally accepted minimum dynamic bending radius of 12 x external diameter and minimum static bending radius of 20 x external diameter.
- The cable drums supplied with the cables from the manufacturer are slightly different to those which Network Rail has historically been supplied with. Users shall take into account of the weight and the dimensions of the loaded cable drum and put in place a safety system of work for handling it.
- Cables to be installed within cable route.
- Users of the product are responsible for ensuring compliance with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Acceptance Services.
- Users are responsible for ensuring that the product is fit for purpose and that the application of use complies with the scope of acceptance. Any product defect should be taken up immediately with the supplier. If the defect is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway this shall be reported in writing to Network Rail Acceptance Services.
- Anyone becoming aware of a change to the product configuration (to the actual product or its application) should inform Network Rail Acceptance Services in writing.
- All staff required to use the equipment shall be suitably trained and, where appropriate, qualified as competent to use it.
- Products shall be maintained in accordance with the manufacturer's recommendations.



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- Products shall be repaired / serviced by the manufacturer or its nominated agent only.

SUPPLY CHAIN ARRANGEMENTS

- If a product is accepted for use, Network Rail (or it's formally appointed agents) may wish to purchase the product direct from the manufacturer or alternatively contract an installer or other contractor who will purchase the product from the manufacturer.
- Network Rail's approach to sourcing products following acceptance will vary across different product categories. However it is not necessary (and it is not a requirement of Network Rail) for a manufacturer to enter into an exclusive supply arrangement with a reseller or other supplier in order to supply your products/equipment to Network Rail.

PRODUCT CONFIGURATION

System or Complete Assembly

Part No.	Description	PADS No.
Conductor 0.63mm		
---	2 pr Polyethylene sheathed cable	006/168001
---	5 pr Polyethylene sheathed cable	006/168002
---	10 pr Polyethylene sheathed cable	006/168003
---	20 pr Polyethylene sheathed cable	006/168004
---	30 pr Polyethylene sheathed cable	006/168005
---	50 pr Polyethylene sheathed cable	006/168006
---	75 pr Polyethylene sheathed cable	006/168007
---	100 pr Polyethylene sheathed cable	006/168008
---	2 pr Polyethylene sheathed armoured cable	006/168011
---	5 pr Polyethylene sheathed armoured cable	006/168012
---	10 pr Polyethylene sheathed armoured cable	006/168013
---	20 pr Polyethylene sheathed armoured cable	006/168014
---	30 pr Polyethylene sheathed armoured cable	006/168015
---	50 pr Polyethylene sheathed armoured cable	006/168016
---	75 pr Polyethylene sheathed armoured cable	006/168017
---	100 pr Polyethylene sheathed armoured cable	006/168018
Conductor 0.90mm		
---	2 pr Polyethylene sheathed cable	006/168051
---	5 pr Polyethylene sheathed cable	006/168052
---	10 pr Polyethylene sheathed cable	006/168053
---	20 pr Polyethylene sheathed cable	006/168054
---	30 pr Polyethylene sheathed cable	006/168055
---	50 pr Polyethylene sheathed cable	006/168056
---	75 pr Polyethylene sheathed cable	006/168057



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Part No.	Description	PADS No.
---	100 pr Polyethylene sheathed cable	006/168058
---	2 pr Polyethylene sheathed armoured cable	006/168061
---	5 pr Polyethylene sheathed armoured cable	006/168062
---	10 pr Polyethylene sheathed armoured cable	006/168063
---	20 pr Polyethylene sheathed armoured cable	006/168064
---	30 pr Polyethylene sheathed armoured cable	006/168065
---	50 pr Polyethylene sheathed armoured cable	006/168066
---	75 pr Polyethylene sheathed armoured cable	006/168067
---	100 pr Polyethylene sheathed armoured cable	006/168068

ASSESSED DOCUMENTATION

Reference	Title	Date and Applies to Cert. issue No.	
----	Submission pack- not titled	Undated	1
----	Additional material – "MATERIAL 03/03/09"	03/03/09	1
----	Additional material – "MATERIAL 14/05/09"	14/05/09	1
----	Eland Cables- NR/PS/TEL/00015- Product Acceptance Testing and Test Data- Cross reference, issue 5	22/05/09	1

CERTIFICATE HISTORY

Issue Number	Date	Issue History
1	28/05/2009	First accepted for use.



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DISTRIBUTION

Manufacturer

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