

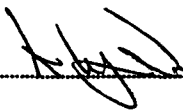
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Issue	2
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Business Process Document

Track cable for d.c. electrified lines

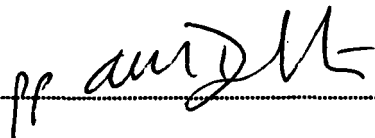
Endorsement & Authorisation

Endorsed by:



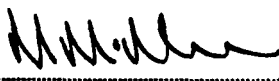
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Issue record

Issue	Date	Comments
2	April 2006	Re-issued as a SAF3 Business Process Document

Implementation

1 April 2006

Compliance

This Network Rail specification is mandatory and must be complied with by Network Rail and its contractors from 1 April 2006

When this specification is implemented, it is permissible for all projects, which have formally completed GRIP Level 4 to continue to comply with the Issue of any relevant Network Rail standards current when GRIP Level 4 was reached and not to comply with requirements contained herein unless the head of electrification and plant has stipulated otherwise in the accompanying briefing note.

Where the head of electrification and plant has specified that all projects will comply with the requirements, specific authority not to comply can be sought in the usual manner using the appropriate non-compliance authority processes described in Network Rail standard, [NR/SP/STP/045](#) *Managing the process for non-compliance authority* (formerly RT/LS/P/045).

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I Purpose

This specification states the requirements for the design, manufacture, testing at works and at site, and delivery ex works of track cables for use on d.c. traction systems to provide, the 650/750 V d.c. supply from traction substations and track paralleling huts to the conductor rails and negative cable connections and, where appropriate, bonding.

Positive cables provide the connections between the positive d.c. switchgear and isolators and lineside equipment associated with the electrification system. This may include, conductor rails and between lengths of conductor rail.

Negative connections are installed at substations and track paralleling huts between the negative bar and electric track equipment installed on the track. This may include impedance bonds, resonating bonds or terminating plates, running rails, negative conductor rails, reinforcing rails or running rails.

2 Scope

This specification applies to all new track cables installed on d.c. electrified lines designated as surface railways.

3 Reference documentation

BS 6007	Rubber insulated cables for electric power and lighting
BS 6360	Conductors in insulated cables and cords
BS 6899	Specification for rubber insulation and sheath of electric cables

4 Definitions

For the purpose of this product specification the following definitions shall apply:

Assigned Current Rating	An empirical rating derived from former research testing and established operational practice.
British Standard	A standard published by the British Standards Institution. Its alphanumeric identity is prefixed by BS.
Equipment	The equipment covered by this specification, including all component parts and accessories.
European Standard	A standard published by the European Committee for Standardisation or by the European Committee for Electrotechnical Standardisation. Its alphanumeric identity is prefixed by EN.