

The Voice of the Networks



Energy Networks Association

**ENA TS 09-6 Issue 9 2017
Revision Summary**

Auxiliary multicore and multipair cables

PURPOSE

TS 09-6 provides details of requirements for auxiliary multicore and multipair cables that are additional to those in the British Standard covering these cable types plus other technical information that may be helpful to the user.

SCOPE

Specifications for the following cable types:

- PVC insulated multicore cables to BS 7870-8.1;
- Polyethylene insulated multipair cables to BS 7870-8.2;
- PVC insulated multipair light current control cables to BS 7870-8.4.

HISTORY

- History not known prior to 1988
- Major revision in 1988
- Major revision in 2005
- Minor revision in 2012
- Minor revision in 2017

Summary of Amendments

- Definitions of polyethylene and polyvinyl chloride added.
- Details of the construction dimensions for PVC insulated multipair light current control cables (armoured) (Table E3(c)) updated to match values in BS 7670-8.4, Table 2.

Nature of Revision

Minor

Key Points

No major technical changes

Revision overseen by ENA
Cables and Accessories Panel
(CAP)

Changes circulated with BCA for
their review and comment,
during revision work

Details of all amendments can be found in the accompanying 'Document Amendment Summary'

Who is affected and why?

- Staff who manage cable specification
- Staff who are involved in substation design
- Staff who are involved in cable procurement

(When procuring auxiliary and control cables - confirm the tender conforms to the all the requirements in ENA TS 09-6)

Difficulties can be encountered in obtaining cables which conform to TS 09-6, with alternative types offered by suppliers. Manufacturers confirm that cables conforming to TS 09-6 are available. Alternatives may not have been tested to ensure compliance with all of the requirements detailed in ENA TS 09-6; testing to meet the induced voltage requirements being a particular area of concern.

Impact Assessment of Changes to TS 09-6

Rating Categories	Rating	Assessment
Nil	Minor	Cables not tested to TS 09-6 may not meet the 5 kV or 15 kV induced voltage requirements
Negligible	Nil	
Minor	Minor	Cables not complying to TS 09-6 may have inferior performance
Moderate	Minor	Statutory requirements are still current - no significant changes
Major	Nil	

The latest issue of the document is available from the ENA Engineering Catalogue via www.energynetworks.org. Further information can be obtained from ENA by emailing david.spillett@energynetworks.org