

The Voice of the Networks



**Energy
Networks
Association**

**ENA TS 09-16 Issue 3 2017
Revision Summary**

Tests on power cables with XLPE insulation and metallic sheath and their accessories, for rated voltages of 66 kV ($U_m = 72.5$ kV), 110 kV ($U_m = 123$ kV) and 132 kV ($U_m = 145$ kV)

PURPOSE

TS 09-6 defines test methods and requirements for XLPE cables and accessories in the rated voltage range 66 kV to 132 kV by reference to the appropriate clauses of the current version of BS 7912

SCOPE

- Defines methods and requirements for the testing of XLPE cables and their accessories
- Applies to cables, joints and terminations for rated voltages 66, 110 and 132 kV
- Includes methods and requirements for routine, sample and type testing
- Mirrors the scope of BS 7912

HISTORY

- Issue 2 published 2004
- Major revision in 2017

Summary of Amendments

- Foreword added to clarify purpose and history
- Normative references updated
- Clauses relating to test methods and requirements re-titled and rearranged to align with the 2017 revision of BS 7912
- Tests in Issue 2 that are not included in BS 7912 have been deleted
- Self-certification conformance declaration added

Nature of Revision

Major revision

Key Points

Last revised in 2004

Close technical and editorial alignment with BS 7912:2017

Tests not in BS 7912 deleted

Amended document circulated with BCA for their review and comment.

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

Who is affected and why?

- Cable and accessory manufacturers and suppliers
(Requirements for cable design and for testing of cables and accessories)
- Specifiers of cables and accessories for the defined voltage range
(Establishing appropriate technical contractual requirements for supply of cables and accessories)
- Installation and commissioning staff
(Handling and installation of cables and accessories, and testing of installed circuits)

Impact Assessment of Changes to TS 09-16

	Rating	Assessment
Safety	Nil	
Environment	Nil	
Financial (costs/benefits)	Nil	
Asset Quality & Performance	Negligible	Testing aligned with BS 7912:2017
Statutory/Regulatory	Nil	
Reputation	Nil	

Rating Categories

Nil

Negligible

Minor

Moderate

Major

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