

# NATA Accredited Laboratory

**National Association of Testing Authorities, Australia**  
(ABN 59 004 379 748)

has accredited

## **Prysmian Cables & Systems New South Wales Laboratory**

following demonstration of its technical competence  
to operate in accordance with

**ISO/IEC 17025**

This facility is accredited in the field of

## **Measurement Science and Technology**

for the tests shown on the *Scope of Accreditation* issued by NATA



A J Russell  
Chief Executive

Date of accreditation: 12 January 1954  
Accreditation number: 113



WORLD RECOGNISED  
ACCREDITATION

NATA is Australia's government-endorsed laboratory accreditor, and a leader in accreditation internationally. NATA is a signatory to the international mutual recognition arrangements of the International Laboratory Accreditation Cooperation (ILAC) and the Asia Pacific Laboratory Accreditation Cooperation (APLAC).



# Scope of Accreditation

**ACCREDITATION NO: 113**

## **Prysmian Cables & Systems**

Liverpool Laboratory  
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LIVERPOOL NSW 2170

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WEB SITE:

FACILITIES: Normally not available for public testing

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**This facility complies with the requirements of ISO/IEC 17025:2005**

### **3.12 Cables and feeders**

- .01 Conductor resistance tests
  - with least uncertainties of measurement of -
  - 0.2% or 50  $\mu\Omega$  (whichever is the greater) from 1 m $\Omega$  to 110  $\Omega$
- .02 Insulation resistance tests
  - with least uncertainties of measurement of -
  - 10% from 1 M $\Omega$  to 1 G $\Omega$ ;
  - 15% from 1 to 100 G $\Omega$ ;
  - 25% from 100 G $\Omega$  to 10 T $\Omega$
- .03 Capacitance tests
  - with least uncertainties of measurement of -
  - 5% from 0.005 to 1  $\mu\text{F}$
- .05 Alternating voltage tests
  - Power frequency withstand, puncture and flashover tests
  - with least uncertainties of measurement of -
  - 5% up to 70 kV a.c. rms
- .07 Partial discharge tests
  - Measurement of partial discharges on cables up to 70 kV,
  - by the methods of AS 1660-3 and IEC 60270
  - with least uncertainties of measurement of -
  - (10% of reading + 1) pC of discharge magnitude
- .99 Other tests
  - Needle penetration test to AS/NZS 1802 (test 15) and AS/NZS 2802 (test 22)



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**Accreditation No: 113**  
(Scope Last Changed 30/07/08 )

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