

Test Report No. 3653

Product: **NUPI type Smartconduit 32 mm OD**
rigid conduit

Clients rating: -20 / 60°C, HD

Client: Ramelec Pty. Ltd.
Panorama, South Australia

Nature of tests: Limited tests AS/NZS 2053.1:2001
Conduits and fittings for electrical installations
General requirements
Cl. 9.6 Appendix D. Pullout test
Cl. 9.4 Appendix B. Impact test

Result: Complied

Commenced: 27th October 2005 ; Completed: 7th December 2005

Initial distribution: Client (2) Itacs file (1)
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Tested by:



Daniel Wiering

Authorised signature:



Jurek W. Botiuk 7th December 2005

ITACS Head Office & EMC
4-6 Second Street,
Browden, South Australia 5007
Postal PO Box 300
Hindmarsh, South Australia 5007
Telephone (08) 8346 8680
Facsimile (08) 8346 7072
Email: itacs@itacslab.com

ITACS High Power
27 Sheehan Road,
Postal PO Box 5140
Heidelberg West VIC
Victoria 3081
Telephone (03) 9458 3988
Facsimile (03) 9458 3172

ITACS HAE
PO Box 7212
Wilberforce NSW 2756
Telephone/Facsimile:
(02) 4576 3189

ITACS (HK) Ltd.
Approval Safety Testing
Room 2106, 21/F Sheehua
Commercial Building
Nos. 2018 Jiao Bin Road
Shenzhen, PRC 518001
Telephone/Facsimile:
(0755) 8238 3913



ACCREDITATION No. 1700

General Notes:

1. Test location: ITACS Head Office 4 - 6 Second Street, Bowden, South Australia.
2. This document shall not be reproduced, except in full.
3. Details in testing record file no. 3653
4. Specification applied:
AS/NZS 2053.1:2001
5. Reporting of results herein is in accordance with NATA recommendations taking into account U of M.
(a) For minimum limits - Where measurement is on the limit or above the limit it is deemed to comply.
Where measurement is below the limit it is deemed not to comply.
(b) For maximum limits - Where measurement is on the limit or below the limit it is deemed to comply.
Where measurement is above the limit it is deemed not to comply.
6. This test report is based on assessment and tests applied to the specific test item(s) as submitted by the client. ITACS disclaims any and all responsibility or obligation for any other item.

Detailed description of product**NUPI type Smartconduit 32 mm OD conduit**Approx. overall dimensions (mm)
32.8Approx. mass per metre length (g)
224Markings:

conduit: NUPI SMARTCONDUIT 32 MM OD ELECTRICAL HD -40/+50 DEG C (X15) AS/NZS 2053

fittings: NUPI 32 MM OD VHD

**NUPI type Smartconduit 32 mm OD conduit**

Detailed description of product continued:



NUPI type Smartconduit 32 mm OD VHD fittings

Specification and Clause Nos.	Clause Title (Inc. a brief precis of Requirements and Criteria.)	Actual Results Assessments, Remarks
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The brief precis in "column 2" provide an indication only of the prime requirements. For complete details applied, refer to the standard specification(s) and clauses listed in "column 1" herein.

The following limited clauses were applied to the NUPI type Smartconduit 32 mm OD conduit as requested by the client.

AS/NZS 2053.1

9.4	Impact test To pass test of Appendix B.	Applied
Appendix B	Test of resistance to impact 12 test items 200 mm in length conditioned at 60°C for 240 h then placed in refrigerator with impact tester, when -25°C reached impact energy of 2 J applied (2 kg hammer; fall height 100 mm) to all test items in turn. No sign of disintegration, no visible cracks (without magnification) to min. of 9 items.	Complied
9.6	Pull-out strength of joints To pass test of Appendix D.	Applied
Appendix D	Test of pull-out strength of non-threadable conduits and fittings Conduits 500 ± 2 mm long, coupled to fittings per manufacturer's instructions. Retain the fitting securely in position, apply a force of 160 ± 2 N applied vertically downwards. Retain a second assembly in position so the fitting's conduit entry axis is 60 + 0, - 2° from the vertical, the test is repeated. The conduits shall not have separated or pulled out of the fittings; and fittings nor the conduits adjacent to them have fractured.	Complied

