Integral Energy Streetlighting

The introduction of the new Integral Energy underground construction manual has seen a new fuse holder arrangement introduced for streetlights. The fuse holder is available in a right angle or inline style, fuses are sold separately.

The cable used for connection from the fuse holder to the luminaire is a 1.5mm2 red and black PVC/PVC bunched cable. This bunched streetlighting cable is now kept in stock and sold on 100m drums.

Country Energy Product Notification

Energy Australia Solid Core Now The Standard

From June 2006 Energy Australia have made low voltage 4 core 240mm2 solid aluminium conductor their standard URD cable. NSA1388 announced the new revision of NS110 which replaces the existing NS110 and NS111 documents. This now means the stranded 4 core 240mm2 aluminium cable will not be used in the future, although dispensation may be obtained for existing projects.

Integral Energy IPC Approval

There has now been an insulation piercing connector approved for use on the Integral Energy network that will allow a 1.5-25mm2 insulated tap to be taken from a 35-150mm2 insulated mains cable. This means taking a small tap from a large cable will no longer be a problem, eg. a streetlight active from 150mm2 ABC. This IPC is also approved for use on the Energy Australia network.
Metalwork Prices Set To Increase

The rising costs of base metals is set to once again increase the cost of materials used in the power supply industry. Increases in the prices of copper cables and fittings have already been seen. The rising price of nickel is now pushing the price of stainless steel fittings up. Along with the increase in nickel, zinc has also been steadily rising, this rise in the cost of zinc has directly impacted the cost of galvanising. Stainless steel fittings are expected to rise around 10%, while galvanised steel products could increase in cost by as much as 18%.
For items such as power transformers that utilize copper, stainless steel and galvanized steel components the rise could be significant.

Some of the items set to rise; Pole covers, saddles, crossarm braces, nuts & bolts, brackets

Nowra Product Range

Over the past few months the range of products stocked at our Nowra store has increased significantly. We now keep a range of timber poles and dressed steel service poles, fascia brackets are now available and soon selected concrete poles will also be available.

Our range of safety equipment now includes low voltage pole top and switchboard rescue kits, electrical and riggers gloves, canvas glove bags, PVC safety covers and safety barrier mesh.

Overhead line materials approved for use on the Country Energy network now include steel crossarms and crossarm braces, screw anchors and accessories, stay wire, stirrup clamps and spindle clamps, tinned PG clamps and split bolt connectors, vibration dampers, aluminium tie wire, insulators and much more.
New HDPE Sheath Stripper

All Round Supplies now have in stock a sheath stripping tool designed for cables with a tough HDPE outer sheath like the EPR insulated cables used in the Energy Australia franchise area. The blade depth can be easily adjusted to suit cables with a sheath thickness of up to 5mm. By moving the ratchet handle up and down the stripper grips the cable and moves along cutting through the sheath. The tool can be used to cut the sheath along the cable and also around the cable. There is no maximum cable size and the blades are reversible so a spare blade is always at hand. The sheath stripper is also supplied with its own storage case.

Recent Integral Energy Technical Bulletin Releases

- Aug 30, 2006 TB 0025  New Suspension clamps for 150mm2 LV ABC
- Aug 17, 2006 TB 0024  Use of stainless steel banding on Integral Energy poles
- Jul 03, 2006 TB 0023  Use of roll springs for HV cable lead sheath earthing
- Jul 03, 2006 TB 0022  Use of LV pillars in medium density residential areas
- May 30, 2006 TB 0017A  Spares for air break switches

All technical bulletins issued by Integral Energy are available on the ASP website.

Recent Integral Energy Network Standards Updates

Amendments
- MM10003  Routine structural inspection of streetlight columns and LV pillars
- SAD0001  Project drawing standard

Drawings
- 251879  Urban residential subdivision
- 251881  Non urban residential subdivision
- 251882  Traffic route lighting
- 288804  Urban industrial subdivision
- 288867  Urban local government load
- 289990  Underground commercial load
- 290137  Underground commercial - Neth Av
- 290201  New 1000kVA sub UG commercial load
- 290210S01  UCL HV network alteration
- 293688S01  ARP asset relocations

All network standards updates issued by Integral Energy are available on the ASP website.

Recent Energy Australia Customer Installation Advice

- Sep 08, 2006 CIA 1293A  Amendments to ES 10, Requirements for electricity connection to developments, March 2006 (Return of free issue equipment etc).
- Sep 01, 2006 CIA 1311  Amendments to ES 3 metering installations, June 2004
- Aug 08, 2006 CIA 1307A  Amendments to ES 10, Requirements for electricity connection to developments, March 2006 (Lease and easement memoranda).

All CIA documents issued by Energy Australia are available on their website.
Recent Energy Australia Network Standards Advice

Sep 14, 2006 NSA1396  Amendments to Energy Australia’s network standard NS 130, Specification for laying of underground cables up to 22kV, September 2002
Sep 08, 2006 NSA1394  Amendments to Energy Australia’s network standard NS 110, Design and construction standard for URDs, September 2006
Aug 28, 2006 NSA1343B Supplement to Energy Australia’s network universal standard NUS 181, Approval of materials and equipment and network standard variations
Aug 24, 2006 NSA1395  NS-129 11kV Joints and terminations - Paper insulated lead covered cables, September 2002
Aug 33, 2006 NSA1391  Amendments to Energy Australia’s electrical safety rules, January 2003
Aug 02, 2006 NSA1392  Amendments to Energy Australia’s network standard NS 141, Site selection and site preparation standards for kiosk type substations, August 2005
Jun 20, 2006 NSA 1389  Amendments to Energy Australia’s network standard NS 199, Safe electrical working on low voltage assets, March 2006

All NSA documents issued by Energy Australia are available on their website.

New Products Available From All Round Supplies

Country Energy Approved Products

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<thead>
<tr>
<th>ARS</th>
<th>Utility Stockcode &amp; Description</th>
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<tbody>
<tr>
<td>03476</td>
<td>441120, 40mm2 CCT conductor - black</td>
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<tr>
<td>03477</td>
<td>441135, 120mm2 CCT conductor - black</td>
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<td>03479</td>
<td>273100, Insulator pin, C/200/11 short shank</td>
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<td>03480</td>
<td>716240, PVC pipe, grey 110mm OD x 3m</td>
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<td>03481</td>
<td>292810, Live line stirrup clamp</td>
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<td>03482</td>
<td>292005, Live line spindle clamp</td>
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<td>292260, Disconnect tee clamp, tinned Al</td>
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<td>03484</td>
<td>115610, Tx bridging insulator bracket</td>
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<td>03485</td>
<td>132410, Possum Guard, 1.2m x 460mm</td>
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<td>03486</td>
<td>112260, 100mm galvanized steel saddle</td>
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<td>03489</td>
<td>252290, 11kV, 100kVA 3ph pole transformer</td>
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<td>252410, 11kV, 200kVA 3ph pole transformer</td>
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<th>ARS</th>
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<tr>
<td>03492</td>
<td>152132, Live end seal kit, 11kV 3c 95mm3 paper</td>
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<td>03534</td>
<td>75481, Petroleum mastic - 3kg</td>
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<td>68866, 25NB insulated spigot</td>
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<td>444425, Cable 22kV 185mm2 3c Al XLPE</td>
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<td>272430, D stirrup shackle assembly</td>
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<td>03499</td>
<td>603450, Bow shackle, clevis pin 70KN</td>
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<td>03500</td>
<td>266220, Clevis suspension clamp 12-28mm Al</td>
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<td>03501</td>
<td>271920, Top clamp, line post insulator 9-32mm</td>
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<td>03502</td>
<td>211220, Fuse holder 32A, front wired</td>
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<td>03503</td>
<td>261126, 66kV polymer long rod insulator</td>
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<td>03504</td>
<td>261220, 66kV line post insulator</td>
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All NSA documents issued by Energy Australia are available on their website.

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