



**All Round
Supplies®**



UTILITY LINK

Issue 3, 2006

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.



03686 - 2c 1.5mm² Bunched Cable

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.



**02653 - Right Angle Fuse Holder
02654 - 16A Fuse Cartridge**

03635 - Inline Fuse Holder

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Country Energy Product Notification

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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



02727 - LV 4c 240mm² Solid Aluminium Cable

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



03735 - IPC, 35-150 ins mains to 1.5-25 ins tap



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 150mm ² LVABC
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

MMI0003	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
288990	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

<i>ARS</i>	<i>Utility Stockcode & Description</i>	<i>ARS</i>	<i>Utility Stockcode & Description</i>
03476	441120, 40mm ² CCT conductor - black	03491	111560, Clevis thimble 27mm Al round pin
03477	441135, 120mm ² CCT conductor - black	03493	444440, Cable 11kV 35mm ² 3c Al XLPE
03479	273100, Insulator pin, C/200/11 short shank	03495	444400, Cable 22kV 35mm ² 3c Al XLPE
03480	716240, PVC pipe, grey 110mm OD x 3m	03496	444410, Cable 22kV 95mm ² 3c Al XLPE
03481	292810, Live line stirrup clamp	03497	444425, Cable 22kV 185mm ² 3c Al XLPE
03482	292005, Live line spindle clamp	03498	272430, D stirrup shackle assembly
03483	292260, Disconnect tee clamp, tinned Al	03499	603450, Bow shackle, clevis pin 70kN
03484	115610, Tx bridging insulator bracket	03500	266220, Clevis suspension clamp 12-28mm Al
03485	132410, Possum Guard, 1.2m x 460mm	03501	271920, Top clamp, line post insulator 9-32mm
03486	112260, 100mm galvanized steel saddle	03502	211220, Fuse holder 32A, front wired
03489	252290, 11kV, 100kVA 3ph pole transformer	03503	261126, 66kV polymer long rod insulator
03490	252410, 11kV, 200kVA 3ph pole transformer	03504	261220, 66kV line post insulator

Energy Australia Approved Products

<i>ARS</i>	<i>Utility Stockcode & Description</i>	<i>ARS</i>	<i>Utility Stockcode & Description</i>
03492	152132, Live end seal kit, 11kV 3c 95mm ³ paper	03552	151084, Polymeric cable cover 150mm x 5mm x 20m
03534	75481, Petroleum mastic - 3kg	03557	176441, 32NB insulated spigot
03547	68866, 25NB insulated spigot	03704	89938, Pillar standard - 6m column, 3m outreach

HEAD OFFICE

P.O BOX 485
CASULA MALL NSW 2170

ph: 02 9826 9416
fax: 02 9826 8566

Info@all-round-supplies.com.au

PRESTONS BRANCH

Unit 1, No. 9 Enterprise Circuit
PRESTONS NSW 2170

ph: 02 9826 9416
fax: 02 9826 8566

prestons@all-round-supplies.com.au

NOWRA BRANCH

Unit 3, Lot 1 Jellicoe Street
SOUTH NOWRA NSW 2541

ph: 02 4421 5000
fax: 02 4421 5099

nowra@all-round-supplies.com.au