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## HEAVY DUTY UNDERGROUND TAPE: ESP ELECTRICITY

UKT04ESP

### DESCRIPTION

POLYETHYLENE WARNING TAPE FOR BURIED ELECTRICITY SUPPLY CABLE

Premium quality, plastic warning tape made from heavy duty, virgin-grade, low density polyethylene.

The tape is pre-printed with a highly visible warning message to alert future contractors to the presence of the buried underground power cable.

INSTALLATION : Lay the tape in the trench approx 300mm above the pipe / cable and as close to the ground surface as possible.

### STANDARD VERSIONS

**CAUTION ELECTRIC CABLE BELOW**  
 Property of ESP ELECTRICITY

### BENEFITS / KEY FEATURES

- > Premium quality
- > Double thickness plastic compared to standard underground tapes
- > Free from PVC

### TECHNICAL INFORMATION

|   |   |  |
|---|---|--|
| <b>SUBSTRATE</b><br>Virgin Grade LDPE<br>(low density polyethylene) | <b>INK</b><br>Highly resistant, solvent based               | <b>CORE</b><br>76mm diameter cardboard core                |
| <b>TAPE WIDTH</b><br>150mm wide                                     | <b>TAPE THICKNESS</b><br>100µ (0.10mm)                      | <b>ROLL LENGTH</b><br>250M long                            |
| <b>PVC CONTENT</b><br>The tape contains NO PVC                      | <b>RESISTANCE TO ACID</b><br>Highly resistant down to 2.5pH | <b>RESISTANCE TO ALKALI</b><br>Highly resistant up to 11pH |
| <b>ELONGATION</b><br>300% (longitudinal)<br>350% (transverse)       | <b>TENSILE STRESS</b><br>10 MN/m <sup>2</sup> (1.0 kN/m)    | <b>ROLL WEIGHT</b><br>Approx 4.8 kgs                       |
| <b>DENSITY</b><br>0.91 – 0.935 kg/m <sup>3</sup> at 20°C            | <b>COLOUR PIGMENT</b><br>Lead-free                          | <b>CARTON QUANTITY</b><br>4 rolls                          |

### OTHER INFORMATION

Production and testing of the tapes utilises the following specifications

|                        |   |
|------------------------|---|
| BS 5252 : 1976         | Framework for colour co-ordination                        |
| ISO 4593 : 1993        | Plastics – film and sheeting (determination of thickness) |
| BS EN ISO 527-1 : 1996 | Plastics – determination of tensile properties (part 1)   |
| BS EN ISO 527-2 : 1996 | Plastics – determination of tensile properties (part 2)   |
| BS EN ISO 527-3 : 1996 | Plastics – determination of tensile properties (part 3)   |

The tapes comply with the applicable parts of the following specifications

- BS2782 (testing)
- BS381c (colours)
- BS3012 (plastics)
- NJUG 4 Identification of small buried mains & services
- NJUG 7 Recommended positioning of utilities
- NJUG 9 Guidelines on positioning & colour coding of utilities

In addition, the tapes comply with various specifications for non-UK countries – please contact our sales department for further information.