

## Product Data

### Cord, Grounding 6 ft

Code : 5305

#### Pro-Pack Materials Pte Ltd

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#### CONSTRUCTION

T3161 Tinsel, 6 strand with polyester core High flex life

Normal O.D. 0.100 inch

Break load 30 lbs

Coil Cord with 100% recovery memory

Coiled portion 8 to 10 inches in length with approximately 30 rings.

Straight portion on both ends is 8 to 10 inches.

Total cord length for 6ft is 24 to 26 inches.

#### STORAGE TEMPERATURE

25°C TO 40°C

#### OPERATING TEMPERATURE

0°C TO 30°C

#### SNAP AND GROUND PLUG ENCAPSULATION

The connector (snap) housing shall contain a 10mm snap and a resistor 1 meg ohm joined in series to the cord.

Connection between tinsel conductor and resistor is via crimping. The housing incorporate a cord restrain, the housing is moulded in non-conductive nylon.

The strain relief extending between 15 to 25mm along the cord is moulded with PU.

All metal parts used are of non-rust type (when tested under Mil.Std.202 Method 101).

#### ELECTRICAL PROPERTIES

- Minimum current carrying capacity of 25mA.
- End to end resistance of less than 5 ohms.
- Insulation – more than 300 meg ohm measured at 1 kv d.c.

#### PHYSICAL PROPERTIES

- Force needed to mate the male and female connector (or snap) is approximately 20 Newtons.
- Force needed to un-mate (or pulling force) between male and female connector is approximately 4 Newtons.
- Rotating force between male and female connector is approximately 1 Newton.
- Number of times mated between male and female connector without detriment to the cord's performance is greater than 5,000 times.
- The cord restrain likewise withstood the pullout test of item 4 above.
- The cord strain relief is not destroyed after flexing more than 5,000 times.

#### ENVIRONMENT

- No mould growth after 25 day's exposure to tropical conditions.
- Cord insulating material is resistant to following:
  - DI water
  - Isopropanol
  - White Spirit
  - Methylated Spirit