



Coil Cord

- PE coil cord with good coil memory - tangle free.
- 1 meg resistor incorporated for operator safety.
- 10mm stud to 10mm stud.

Product length: 1.8m

Construction :	T3161 Tinsel, 6 strand with polyester core. High flex life.
Nominal :	O.D – 0.100 inch
Break Load :	30lbs
Coil Cord :	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 6 foot is 24 to 26 inches.

Storage temperature :	-25°c to 40°c
Operating temperature :	0°c to 30°c
Shelf life :	5 years minimum

Snap & Ground Plug Encapsulation:

The connector (snap) housing shall contain a 10mm snap (nominal) and a 1 megohm resistor joined in series to the cord. Connection between tinsel conductor and resistor is via crimping. The housing incorporates 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 are of non- rust type (when tested under Mil. Std. 202, method 101.)

Electrical Properties:

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

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Physical Properties:

1. Force needed to mate the male and female indicator (or snap) is approximately 20 Newtons.
2. Force needed to un-mate (or pulling force) between male and female connector is approximately 40 Newtons.
3. Rotating force between male and female connector is approximately 1 Newton.
4. Number of times mated between male and female connector without detriment to the cord's performance is greater than 5000 times.
5. The cord restrain likewise withstood pullout test of item 4 above.
6. The cord restrain relief is not destroyed after flexing more than 5000 times.

Environment:

1. No mould growth after 25 days exposure to tropical conditions.
2. Cord insulating material is resistant following:
A: DI water
B: Isopropanol
C: White spirit
D: Methylated spirit

Insulation:

The cord insulation is polyurethane with a resistance of 1010 - 1011 ohm/sq.

Standards:

- EOS/ESD-S1
- ANSI/ESD S1.1-1998
- MIL-STD-202 Method 101
- DOD Handbook 263
- DOD Standard 1686
- ESD-STM12.1-1997
- CECC-00015
- ESD-STM 12.1-1997
- ESD DS12.1-1995
- ESD SP9.2-2003

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