

320-8758

MEGGITT SILICONE CABLE

TECHNICAL DATA SHEET
TUFSIL 5000

This tough silicone based insulation has been specially designed for the domestic appliance industry where traditionally either PTFE or glass braided silicone rubber insulation had to be used. The standard colours are black, white, green, grey, purple, blue, red and yellow. Other colours are available on request.

	<u>24/0.2</u>	<u>7/0.4</u>	<u>50/0.25</u>
Voltage Rating	500V	500V	500V
Max Temp	180°C	180°C	180°C
Current Rating	23 Amp	25 Amp	36 Amp
Nominal Outside Diameter	2.4	2.5	2.8
Export Tariff No	85445910		
Lead Time	4 weeks		
Shelf Life	10 Years		
Weight 1000	Per 12K	12.2	20
Cross Section	0.75 mm ²	0.88 mm ²	1.5 mm ²
Insulation Thickness	0.6 mm	0.6 mm	0.6 mm

APPROVALS

Meggitt has UL Style approvals in Tufsil 5000 to the following styles: 3100, 3101, 3103, 3134, 3138 and 3140 which apply to specific cable constructions.

INSULATION

The physical properties of the insulation are as follows:

	Specification	Typical Values
Hardness Shore A	70 $\pm$ 5	73
Tensile Strength Mpa	6	9
Elongation to break %	250	300
Tear Strength N/mm	N/A	18

The insulation meets the requirements of the BS6899 and BS7655 E12 specifications.

CONDUCTOR

The conductor meets the BS6360 requirements. Tufsil is available with different sized conductors to allow differing current carrying requirements.

CABLE

Physical Properties

Elongation to break 250%
Tensile strength 6 Mpa

THERMAL PROPERTIES

5 mm mandrel test at 300°C: No cracks after eight hours.
20 mm mandrel test at 300°C: No cracks after seventeen hours.

HOW TO ORDER

T50	24	A	6	W
Common Part	Number of Conductor Strands	Diameter of Strands	Insulation Thickness	Colour of Insulation
T SL - Tufsil Cable	Eg, 7, 24, 30	0.20 mm = A 0.25 mm = B 0.40 mm = C	0.6 = 6	W -- White R -- Red B -- Black

100
Finished Coil Length
25 = 25 metres
100 = 100 metres

Grades of silicone rubber available from Meggitt Silicone Engineering are:

- General Purposes grades
- High Tear grades
- Cable grades
- Cellular Silicone Products
- Flame Retardant grades
- Low Compression set grades
- High temperature grades
- Low combustion hazard grades
- Injection and compression moulded silicone products