

PVC Submersible Cables

As per BS : 6004

Application

Specially designed cables for submersible pump motors are meant to withstand abrasion, prevent ingress of water along the inside of the cables and be resistant to acidic fluids and other chemicals. These cables are available in PVC which imparts high degree of flexibility and water resistance.

Design

Cables shall generally confirm to BS:6004 stranded flexible annealed bare Copper conductor, general purpose soft PVC insulation, soft extruded PVC natural/black colour inner sheath (optional), soft extruded PVC black outer sheath (or any other colour of customer's choice). These cables can also be offered using thermoplastic rubber insulation and sheathing compound as per customer's requirement.

Mechanical Properties

High Tensile Strength : > 1200 N
 Bending Radius : > 8 x D
 High Compression Resistance : > 1000 N
 Stability over temperature range of -20°C to +70°C

Physical/Dimensional Parameters (Round)

No. of Cores	Area Nominal	Conductor Resistance at 20°C Ohms/km (Max)	Overall Diameter Max. (mm)
1	1	12.10	3.5
	2.5	7.41	4.2
3	1.5	12.10	9.5
	2.5	7.41	12.0
	4	4.61	13.0
	6	3.08	15.0
	10	1.83	18.3
16	1.15	20.5	
	25	0.727	25.0
	35	0.524	30.5
	50	0.387	35.9

Physical/Dimensional Parameters (Flat)

No. of Cores	Area Nominal	Conductor Resistance at 20°C Ohms/km (Max)	Overall Diameter Max. (mm)
3	1	18.10	4.50 X 9.35
	1.5	12.10	4.90 X 10.70
	4	4.61	6.45 X 15.15
10	1.83	8.75 X 21.05	
	1.15	10.0 X 24.40	

Available in Non-returnable reels of length -300m/500m/1000m (+/-5%)

