

Flexible Cable, Circular Sheathed, Metric Unit BS 6500

Table 9.1

Conductor		Thickness of Insulation (mm)	2 Cores	
Nominal Area (mm ²)	Construction (no./mm)		Approx. Overall Diameter (mm)	Approx. Net Weight (kg/km)
0.5	16 / 0.20	0.6	6.1	55
0.75	24 / 0.20	0.6	6.6	65
1.0	32 / 0.20	0.6	6.9	75
1.25	40 / 0.20	0.7	7.6	80
1.5	30 / 0.25	0.7	7.8	90
2.5	50 / 0.25	0.8	9.6	135
4.0	56 / 0.30	0.8	11.0	135

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Table 9.2

Conductor		Thickness of Insulation (mm)	3 Cores	
Nominal Area (mm ²)	Construction (no./mm)		Approx. Overall Diameter (mm)	Approx. Net Weight (kg/km)
0.5	16 / 0.20	0.6	6.5	60
0.75	24 / 0.20	0.6	6.9	75
1.0	32 / 0.20	0.6	7.3	85
1.25	40 / 0.20	0.7	8.3	100
1.5	30 / 0.25	0.7	8.5	110
2.5	50 / 0.25	0.8	10.4	170
4.0	56 / 0.30	0.8	11.8	215

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Table 9.3

Conductor		Thickness of Insulation (mm)	4 Cores	
Nominal Area (mm ²)	Construction (no./mm)		Approx. Overall Diameter (mm)	Approx. Net Weight (kg/km)
0.5	16 / 0.20	0.6	7.1	75
0.75	24 / 0.20	0.6	7.6	90
1.0	32 / 0.20	0.6	8.2	110
1.25	40 / 0.20	0.6	-	-
1.5	30 / 0.25	0.7	9.5	140
2.5	50 / 0.25	0.8	11.4	205
4.0	56 / 0.30	0.8	12.9	275

Construction

1. Conductor : Plain Annealed Copper
2. Insulation : PVC Compound Type T12
3. Assembly : 2, 3 & 4 Cores are Twisted Together
4. Sheath : PVC Compound Type TM2
5. Colour : Insulation : 2 cores - Brown, Blue
 3 cores - Brown, Blue & Green / Yellow
 4 cores - Brown, Black, Grey & Blue
 Sheath : Grey

Technical Data

- Voltage U₀/U : 300 / 500 V
 Conductor Stranding : Class 5
 Operating Temperature : 70°C

Power Cables

SINGLE CORE

Flexible Cord, Twin Twisted Non-Sheathed, Imperial Unit BS 2004

Flexible Cord, Twin Twisted Non-Sheathed, Imperial Unit BS 2004

Table 10

Conductor		Thickness of Insulation (mm)	Twin Twisted	
Nominal Area (mm ²)	Construction (no./in)		Approx. Overall Diameter (mm)	Approx. Net Weight (kg/100yd)
0.41	14 / 0.0076	0.64	2.1	1.7
0.67	23 / 0.0076	0.64	2.4	2.3
1.17	40 / 0.0076	0.64	2.7	3.1

Construction

1. Conductor : Plain Annealed Copper
2. Insulation : PVC Compound Type TI1
3. Assembly : Two Cores Twisted
4. Colour : Insulation: Red & Black

Technical Data

- Voltage Uo/U : 250 / 440 V
 Conductor Stranding : Class 5
 Operating Temperature : 70°C

Power Cables

1-4 CORES

Flexible Cable, Circular Sheathed, Imperial Unit BS 2004

Flexible Cable, Circular Sheathed, Imperial Unit BS 2004

Table 11.1

Conductor		Thickness of Insulation (mm)	1 Core		2 Cores	
Nominal Area (mm ²)	Construction (no./in)		Approx. Overall Diameter (mm)	Approx. Net Weight (kg/100yd)	Approx. Overall Diameter (mm)	Approx. Net Weight (kg/100yd)
0.41	14 / 0.0076	0.64	4.2	2.1	6.3	4.8
0.67	23 / 0.0076	0.64	4.4	2.5	6.8	6.0
1.17	40 / 0.0076	0.64	4.8	3.2	7.5	7.5
2.05	70 / 0.0076	0.64	5.2	4.2	9.0	10.0
3.22	110 / 0.0076	0.64	5.7	5.4	10.0	12.9
4.74	162 / 0.0076	0.76	6.4	7.3	11.3	17.4

Flexible Cable, Circular Sheathed, Imperial Unit BS 2004

Table 11.2

Conductor		Thickness of Insulation (mm)	3 Cores		4 Cores	
Nominal Area (mm ²)	Construction (no./in)		Approx. Overall Diameter (mm)	Approx. Net Weight (kg/100yd)	Approx. Overall Diameter (mm)	Approx. Net Weight (kg/100yd)
0.41	14 / 0.0076	0.64	6.6	5.6	7.2	6.2
0.67	23 / 0.0076	0.64	7.1	6.2	7.7	7.9
1.17	40 / 0.0076	0.64	7.9	8.9	9.2	10.0
2.05	70 / 0.0076	0.64	9.5	12.7	10.3	15.4
3.22	110 / 0.0076	0.64	10.5	16.6	11.4	20.4
4.74	162 / 0.0076	0.76	12.2	22.9	13.2	28.3

Construction

1. Conductor : Plain Annealed Copper
 2. Insulation : PVC Compound Type TI1
 3. Assembly : 1, 2, 3 or 4 Cores Twisted Together
 4. Sheath : PVC Compound Type T6
 5. Colours : Insulation: 1 core - Various
 2 cores - Blue, Brown
 3 cores - Blue, Brown, Green / Yellow
 4 cores - Blue, Brown, Black, Green / Yellow
- Sheath: Grey

Technical Data

- Voltage Uo/U : 250 / 440 V
 Conductor Stranding : Class 5
 Operating Temperature : 70°C