



THREE CORE FLAT FLEXIBLE INDUSTRIAL CABLE FOR SUBMERSIBLE PUMP MOTORS, 1100 VOLTAGE GRADE

Nominal Area of Conductor	INSULATION			Overall Dimensions (Max.)		Max. Conductor Resistance at 20°C (Max.)	Current Carrying Capacity at 40°C
	Number/ Size of Wire for each Core	Thickness of Insulation (Nom.)	Thickness of Sheath (Nom.)	Width (W)	Height (H)		
sq.mm	mm	mm	mm	mm	mm	Ohm/Km	Amps
1.00	14/0.30	0.60	0.9	11.0	5.4	19.5	11
1.50	22/0.30	0.60	0.9	10.7	5.3	13.3	14
2.50	36/0.30	0.70	1.0	13.0	6.2	7.98	18
4.00	56/0.30	0.80	1.0	15.3	7.1	4.95	26
6.00	84/0.30	0.80	1.10	19.2	8.4	3.30	31
10.00	80/0.40	1.0	1.40	24.2	10.40	1.91	42
16.00	126/0.40	1.0	1.40	29.0	12.40	1.21	57
25.00	196/0.40	1.2	2.0	36.5	15.70	0.780	72
35.00	276/0.40	1.2	2.0	40.5	17.20	0.554	90

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SINGLE CORE INSULATED COPPER CONDUCTOR (UNSHEATHED) FLEXIBLE CABLES, 1100 VOLTAGE GRADE FOR DOMESTIC PURPOSE (HOUSE WIRE)

Nominal Cross Sectional Area of Conductor	Number/ Nom. Dia of strands	Thickness of insulation (Nom)	Max. Overall Diameter	Max. Conductor Resistance per KM at 200 C	Max. Current Carrying Capacity
sq.mm	mm	mm	mm	Ohm/Km	Amps
0.75	11/0.3	0.6	2.80	26	9
1	14/0.3	0.7	3.0	19.5	11
1.5	22/0.3	0.7	3.4	13.3	14
2.5	36/0.3	0.8	4.1	7.98	18
4	56/0.3	0.8	4.8	4.95	26
6	84/0.3	0.8	5.3	3.30	31

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MULTICORE ROUND INSULATED COPPER CONDUCTOR AND SHEATHED FLEXIBLE CABLES, 1100 VOLTAGE GRADE

Nominal Cross Sectional Area of Conductor	Number/ Nom. Dia of strands	Thickness of insulation (Nom)	Nominal Thickness of sheath			Max. Overall Diameter			Current Rating AC	Voltage drop/ Amp/ Meter	
			Two core	Three core	Four core	Two core	Three core	Four core		DC or single Phase AC	3 Phase AC
sq.mm	mm	mm	mm	mm	mm	mm	mm	mm	Amps	mV	mV
0.50	7/0.30	0.6	0.9	0.9	0.9	6.9	7.3	8	6	83	72
0.75	11/0.30	0.6	0.9	0.9	0.9	7.3	7.7	8.4	9	56	48
1.0	14/0.30	0.6	0.9	0.9	0.9	7.6	8.1	8.8	14	43	37
1.5	22/0.30	0.6	0.9	0.9	1.0	8.9	9.4	10.4	18	31	26
2.5	36/0.30	0.7	1.0	1.0	1.0	10.3	10.9	12	26	18	16
4.0	56/0.30	0.8	1.0	1.0	1.0	11.6	12.4	13.6	31	11	9.6

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SINGLE CORE INSULATED COPPER CONDUCTOR (UNSHEATHED) FLEXIBLE CABLES, 1100 VOLTAGE GRADE FOR INDUSTRIAL APPLICATION

Nominal Cross Sectional Area of Conductor	Number/ Nom. Dia of strands	Thickness of insulation (Nom)	Max. Overall Diameter	Max. Current Carrying Capacity	Max. Conductor Resistance per KM at 200 C
sq.mm	mm	mm	mm	Amps	Ohm/Km
10	80/0.4	1.0	7	57	1.91
16	126/0.4	1.0	8.1	76	1.21
25	196/0.4	1.2	10.2	101	0.780
35	276/0.4	1.2	11.7	125	0.554
50	396/0.4	1.4	13.9	151	0.386
70	554/0.5	1.4	16	192	0.272
95	784/0.5	1.6	18.2	232	0.206
120	1008/0.5	1.6	20.2	296	0.161
150	1500/0.5	1.8	22.5	300	0.129
185	1925/0.5	2.0	24.9	341	0.106
240	2510/0.5	2.2	28.4	400	0.080
300	3150/0.5	2.4	31	458	0.064

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