











**300/500 VOLTS SINGLE-CORE NON-SHEATHED CABLE
WITH SOLID OR FLEXIBLE COPPER CONDUCTOR 70 °C**

CODE DESIGNATION IEC 05 - IEC 06

Nominal cross-sectional area	Class of CU conductor	Thickness of PVC insulation	Mean overall diameter Φ	Net weight approx	Max resistance DC at 20°C	Max resistance AC at 70°C	Current Rating at 40°C			Voltage drop at 50 HZ COS. ϕ 0.8	
							 Free	 Pipe			
mm ²		mm	mm	kg/km	Ω /KM	Ω /KM	Amp	Amp	Amp	V/A/KM	V/A/KM
0.5	1	0.6	2.1	8.4	36	41.4	2	2	2	66.38	66.40
	5	0.6	2.3	9.3	39	43.5	2	2	2	69.73	69.74
0.75	1	0.6	2.3	11.2	24.5	28.3	11	10	9	45.41	45.43
	5	0.6	2.4	11.8	26	30.3	11	10	9	48.60	48.62
1	1	0.6	2.4	13.7	18.1	22.8	14	13	12	36.61	36.62
	5	0.6	2.6	14.0	19.5	24.2	14	13	12	38.84	38.86






**300/500 VOLTS SINGLE-CORE NON-SHEATHED CABLE
WITH SOLID OR FLEXIBLE COPPER CONDUCTOR 90 °C**

CODE DESIGNATION IEC 07 - IEC 08

Nominal cross-sectional area	Class of CU conductor	Thickness of PVC insulation	Mean overall diameterΦ	Net weight approx	Max resistance DC at 20°C	Max resistance AC at 90°C	Current Rating at 40°C			Voltage drop at 50 HZ COS. φ 0.8	
							 Free	 Pipe	 Pipe	 V/A/KM	 V/A/KM
mm ²		mm	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	Amp	V/A/KM	V/A/KM
0.5	1	0.6	2.1	8.4	36	45	2	2	2	72.14	72.16
	5	0.6	2.3	9.3	39	48	2	2	2	76.93	76.94
0.75	1	0.6	2.3	11.2	24.5	31	11	10	9	49.73	49.75
	5	0.6	2.4	11.8	26	33	11	10	9	52.92	52.94
1	1	0.6	2.4	13.7	18.1	24	14	13	12	38.53	38.54
	5	0.6	2.6	14.0	19.5	25.5	14	13	12	40.92	40.94
1.5	1	0.7	2.75	20	12.1	15.2	17	14	14	24.44	24.46
	5	0.7	3.10	21	13.3	16.5	17	14	14	26.52	26.53
2	1	0.8	3.15	27	9.15	11.5	22	18	16	18.52	18.54
	5	0.8	3.5	28	10.25	12.9	22	18	16	20.73	20.75
2.5	1	0.8	3.32	32	7.41	9.3	23	20	18	15.00	15.02
	5	0.8	3.80	34	7.98	10	23	20	18	16.11	16.13
3	1	0.8	3.54	37	6.1	8.1	30	22	21	13.08	13.09
	5	0.8	4.1	39	6.7	8.9	30	22	21	14.34	14.36

450/750VOLTS SINGLE-CORE NON-SHEATHED CABLE WITH RIGID OR FLEXIBLE COPPER CONDUCTOR 70 °C

CODE DESIGNATION IEC 01 - IEC 02

Nominal cross-sectional area	Class of CU conductor	Thickness of PVC insulation	Mean overall diameterΦ	Net weight approx	Max resistance DC at 20°C	Max resistance AC at 70°C	Current Rating at 40°C			Voltage drop at 50 HZ COS. φ 0.8	
							 Free	 Pipe	 Pipe	 V/A/KM	 V/A/KM
mm ²		mm	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	Amp	V/A/KM	V/A/KM
1.5	1	0.7	2.75	20	12.1	14.5	17	14	14	23.325	23.341
	2	0.7	2.93	21	12.1	14.5				23.320	23.337
	5	0.7	3.1	21	13.3	15.9				25.617	25.634
2	1	0.8	3.15	27	9.15	10.9	22	18	17	17.564	17.581
	2	0.8	3.4	27	9.15	10.9				17.559	17.576
	5	0.8	3.5	28	10.25	12.2				19.654	19.670
2.5	1	0.8	3.32	32	7.41	8.87	23	20	18	14.313	14.329
	2	0.8	3.52	32	7.41	8.87				14.309	14.325
	5	0.8	3.8	34	7.98	9.55				15.396	15.413
3	1	0.8	3.54	37	6.1	7.41	30	22	21	11.972	11.989
	2	0.8	3.79	38	6.1	7.41				11.968	11.985
	5	0.8	4.1	39	6.7	8.1				13.130	13.147
4	1	0.8	3.78	47	4.61	5.51	31	26	24	8.928	8.945
	2	0.8	4.06	48	4.61	5.51				8.925	8.942
	5	0.8	4.3	49	4.95	5.92				9.572	9.589
6	1	0.8	4.3	67	3.08	3.68	40	34	30	5.994	6.011
	2	0.8	4.6	68	3.08	3.68				5.991	6.008
	5	0.8	4.9	69	3.30	3.94				6.409	6.426
10	2	1	5.8	112	1.83	2.18	57	48	42	3.591	3.608
	5	1	6.2	113	1.91	2.28				3.741	3.758
16	2	1	6.7	169	1.15	1.38	76	65	55	2.306	2.323
	5	1	7.3	172	1.21	1.45				2.418	2.435
25	2	1.2	8.4	263	0.727	0.870	102	87	72	1.488	1.505
	5	1.2	9	267	0.780	0.933				1.588	1.605
35	2	1.2	9.4	358	0.524	0.627	127	108	89	1.096	1.113
	5	1.2	10.3	363	0.554	0.663				1.152	1.168
50	2	1.4	10.9	508	0.387	0.464	157	133	108	0.836	0.853
	5	1.4	11.9	514	0.389	0.466				0.837	0.854
70	2	1.4	12.9	699	0.268	0.323	201	170	136	0.606	0.623
	5	1.4	13.8	705	0.272	0.328				0.613	0.629
95	2	1.6	14.9	946	0.193	0.232	252	215	169	0.460	0.477
	5	1.6	16.1	955	0.296	0.356				0.657	0.674
120	2	1.6	16	1177	0.153	0.185	295	250	195	0.384	0.401
	5	1.6	17.7	1189	0.161	0.195				0.398	0.414
150	2	1.8	17.9	1471	0.124	0.151	340	287	223	0.330	0.346
	5	1.8	19.8	1488	0.129	0.157				0.337	0.354
185	2	2	20	1816	0.0991	0.1215	395	335	256	0.282	0.299
	5	2	23	1844	0.1000	0.1226				0.282	0.298
240	2	2.2	22.7	2348	0.0754	0.0941	475	400	305	0.238	0.255
	5	2.2	25.4	2376	0.0801	0.1000				0.245	0.262
300	2	2.4	25.6	2932	0.0601	0.0767	550	458	345	0.209	0.226
400	2	2.6	28.7	3880	0.0470	0.0600	645	530	400	0.182	0.199