0.6/1 (1.2) Kv

(a) Description

- Multicore cables of stranded Copper conductors are insulated with a PVC compound rated °70C, assembled together and covered with an overall jacket of a PVC compound.
- Cables are produced according to IEC 60502.

(b) Application

- For outdoor and indoor installations in damp and wet locations.

(c) Technical data

Relevant Standard:	IEC 60502 Part 1.
Conductor :	Plain annealed Copper, Class 2 according to IEC 60228.
Insulation :	PVC.
Colour Code :	Two cores : Red and Black. Three cores : Red, Yellow and Blue. Four cores : Red, Yellow, Blue and Black.
Laying up :	Cores twisted together with filling elements if necessary.
Wrapping :	At least 1 layer of Ploypropylene Tape.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 70 °C during operation.
Minimum Bending Radius:	10 x cable outer diameter (ø).
Packing Condition :	On non-returnable wooden drum.

(d) Product Data

Nominal Cross Sectional Area	Max. Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
	DC at 20 °C	"AC at 70 °C"	"Laid Direct in Ground"	Laid in Ducts	Laid in Free Air		
mm^2	Ω/km	Ω/km	A	A	A	mm	kg/km
Two Core Cables							
1.5 r	12.1000	14.6000	27	21	23	10.1	120
2.5 r	7.4100	8.870	34	28	32	10.9	145
4 r	4.6100	5.540	45	36	45	12.9	205
6 r	3.0800	3.690	57	45	58	13.9	255
10 r	1.8300	2.190	73	62	76	15	425
16 r	1.1500	1.390	96	73	101	17	580
25 r	0.7270	0.870	124	96	133	20	845
35 r	0.5240	0.628	147	119	164	22.2	1090
Three Core Cables							
1.5 r	12.1000	14.6000	24	20	21	10.6	145
2.5 r	7.4100	8.870	31	26	25	11.5	190
4 r	4.6100	5.540	40	34	36	13.6	270
6 r	3.0800	3.690	51	41	45	14.7	340
10 r	1.8300	2.190	68	54	61	16.4	485
16 r	1.1500	1.390	85	68	83	18.6	685
25 r	0.7270	0.870	113	90	108	21.8	995
35 r	0.5240	0.628	136	107	127	24.2	1300
Four Core Cables							
1.5 r	12.1000	14.6000	24	20	21	11.4	180
2.5 r	7.4100	8.8700	31	26	25	12.4	230
4 r	4.6100	5.5400	40	34	36	14.8	335
6 r	3.0800	3.6900	51	41	45	16	425
10 r	1.8300	2.1900	68	54	61	17.9	635
16 r	1.1500	1.3900	85	68	83	20.3	880
25 r	0.7270	0.8700	113	90	108	23.9	1295
35 r	0.5240	0.6280	136	107	127	26.6	1700
50 s	0.3870	0.4640	164	130	159	29.3	2225
70 s	0.2680	0.3220	198	164	197	32.9	3065
95 s	0.1930	0.2320	237	186	240	37.8	4175
120 s	0.1530	0.1850	271	220	278	41.2	5205
150 s	0.1240	0.1510	305	249	316	45.9	6400
185 s	0.0991	0.1210	339	277	361	50.7	7960
240 s	0.0754	0.0840	390	328	430	57	10330
300 s	0.0601	0.0770	441	362	506	63.3	12915
400 s	0.0470	0.0606	512	425	583	70.1	16500
500 s	0.0366	0.0491	576	485	651	77.6	21085
Four Core Cables with Reduced Neutral							
35 r +16 r	0.5240/1.1500	0.6280/1.3900	136	107	127	25	1505
50 s + 25 r	0.3870/0.7270	0.4640/0.8700	164	130	159	28.1	2115
70 s + 35 r	0.2680/0.5240	0.3220/0.6280	198	164	197	31.4	2725
95 s + 50 s	0.1930/0.3870	0.2320/0.4640	237	186	240	36.1	3690
120 s +70 s	0.1530/0.2680	0.1850/0.3220	271	220	278	39.5	4675
150 s + 70 s	0.1240/0.2680	0.1510/0.3220	305	249	316	43.5	5580
185 s + 95 s	0.0991/0.1930	0.1210/0.2320	339	277	361	48.2	7025
240 s + 120 s	0.0754/0.1530	0.0840/0.1850	390	328	430	54.2	9060
300 s + 150 s	0.0601/0.1240	0.0770/0.1510	441	362	506	60	11280
400 s + 240 s	0.0470/0.0754	0.0606/0.084	512	425	583	66	15270

The above data is approximate and subjected to manufacturing tolerance.

r : round,Stranded
s : Sector,Stranded