

Cables Instrumentation and control

VC4V-K 0,6/1 kV



Description

These cables are indicated for executing permanent installations where electromagnetic protection is required to avoid parasitic currents. They are useful for control applications of drivers, solenoid valves, start-up of machines and robots, remote switches, temperature, intensity or voltage regulation in motorised valves. Their flexibility makes them very appropriate in complex and extremely difficult installations.

Reference Standards: UNE 21123, HD 603 S1 and IEC 60502

Applications

Suitable for the following installations:

- Underground supply networks for outdoor lighting installations
- Indoor or receiver installations

Technical Characteristics

1. Conductor	Flexible electrolytic copper (Class V) according to BS EN 60228:2005 (previously BS6360) and UNE 60228.
2. Insulation	PVC insulation, type A, according to UNE 21123 and IEC 60502-1.
3. Screen	Copper braid on polyester shee
4. Sheath	PVC Sheath type ST-1 according to UNE 21123 and IEC 60502-1 -1 -1
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	70 °C

Other characteristics

Colours according to UNE 21089 and HD 303S2 (colour marking when less than five conductors) and UNE-EN 50334 and EN 50334 (inscription marking when more than five conductors)

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

PVC insulation and sheath with reduced hydrogen chloride (HCL) emission

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
1x6	3,3	7,10	105
1x10	1,91	8,20	155
1x16	1,21	9,20	213
1x25	0,78	10,75	309
1x35	0,554	11,90	405
1x50	0,386	13,50	563
1x70	0,272	15,50	758
1x95	0,206	17,40	1.000
1x120	0,161	19,40	1.234
1x150	0,129	21,70	1.541
1x185	0,106	23,70	1.860
1x240	0,0801	26,80	2.420
1x300	0,0641	30,00	2.970
2x1,5	13,3	8,30	109
2x2,5	7,98	10,40	133
2x4	4,95	12,20	185
2x6	3,3	11,25	241
2x10	1,91	13,40	373
2x16	1,21	15,65	515
2x25	0,78	18,60	773
2x35	0,554	21,50	1.014
2x50	0,386	25,30	1.436
3G1,5	13,3	8,90	128
3G2,5	7,98	9,55	164
3G4	4,95	10,70	223
3G6	3,3	12,15	291
3G10	1,91	14,10	472
3x16	1,21	16,40	661
3x25	0,78	20,10	996
3x35	0,554	22,40	1.316
3x50	0,386	27,35	1.868
3x70	0,272	31,75	2.550
3x95	0,206	37,50	3.425
4x1,5	13,3	9,60	153
4x2,5	7,98	11,85	203
4x4	4,95	14,00	295
4x6	3,3	13,10	370
4x10	1,91	15,70	593
4x16	1,21	17,90	836

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
4x25	0,78	22,10	1.263
4x35	0,554	24,60	1.696
4x50	0,386	29,20	2.382
4x70	0,272	33,90	3.243
4x95	0,206	38,10	4.284
4x120	0,161	43,50	5.443
4x150	0,129	48,80	6.835
4x185	0,106	54,00	8.240
5x1,5	13,3	10,35	183
5x2,5	7,98	11,40	238
5x4	4,95	12,80	339
5x6	3,3	14,10	447
5x10	1,91	17,15	722
5x16	1,21	19,90	1.023
5x25	0,78	24,40	1.568
5x35	0,554	27,10	2.082
5x50	0,386	33,65	2.934
5x70	0,272	38,20	4.063
5x95	0,206	42,20	5.281
5x120	0,161	50,60	6.738
5x150	0,129	58,35	8.485
6x1,5	13,3	8,90	240
6x2,5	7,98	12,70	315
7x1,5	13,3	11,40	252
7x2,5	7,98	13,80	306
8x1,5	13,3	14,20	285
8x2,5	7,98	15,85	405
10x1,5	13,3	12,70	336
10x2,5	7,98	15,90	411
12x1,5	13,3	14,20	390
12x2,5	7,98	18,40	561
14x1,5	13,3	14,35	465
14x2,5	7,98	18,65	661
16x1,5	13,3	16,70	490
16x2,5	7,98	19,25	738
19x1,5	13,3	17,30	612
19x2,5	7,98	21,35	836
24x1,5	13,3	18,25	680
24x2,5	7,98	24,90	1.103

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
30x1,5	13,3	19,35	901
30x2,5	7,98	26,35	1.280