

LV CONTROL, MULTI CORE, UNARMoured CABLE AS PER IEC 60502-1 (CU/PVC/PVC)

APPLICATION

Suitable for indoor industrial machinery, signal & power transmission for machinery, control & monitoring of electrical systems, and low-risk environments where mechanical protection is not critical. Ideal for use in conduits, trunking, and in locations protected from physical damage.

CONSTRUCTION

Conductor: Stranded (Class 2) Annealed Plain Copper Conductor to IEC 60228

Insulation: Extruded Polyvinyl Chloride (PVC) rated 90°C

Insulation Color:
 2C:- Red & Black
 3C:- Red, Yellow & Blue
 4C:- Red, Yellow, Blue & Black
 5C & above:- Black core with number printed
 Other colors are available upon request.

Laying Up: Cores are assembled in concentric layers and laid up with a non-hygroscopic filler (if required), and the assembly is wrapped with binder tape.

Outer Sheath: Extruded Polyvinyl Chloride (PVC) Type ST-2 to IEC 60502-1 in Black color. Other colors are available upon request.

Marking Text on the Outer Sheath (Example):
 CU/PVC/PVC (NO. OF CORES X CONDUCTOR SIZE)
 600/1000V IEC 60502-1 TEKAB YEAR OF MANUFACTURE
 MADE IN UAE LENGTH METER MARKING



TECHNICAL DATA

Operating Temperature: During Normal Operation - 90°C
 During Short Circuit Condition - 160°C (≤300mm²) and
 160°C (>300mm²)

Voltage Rating: 600/1000V

Voltage Withstand: 3500 V a.c. r.m.s. for 5 minutes

*Other special sheath materials are also available with Flame Retardant :- IEC 60332-1-2, IEC 60332-3-24 (CAT C), Low Smoke, UV / Sunlight Resistant, Oil Resistant, Anti-Termite, Anti-Rodent.

Circular Conductor:-

SERIAL NO.	TEKAB CODE	NO. OF CORES X CONDUCTOR SIZE (NO. X Sq.mm.)	NO. OF STRANDS	NOMINAL INSULATION THICKNESS (mm)	NOMINAL OUTER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	V2V2	2C X 1.5	7	0.8	1.8	10.1	150
2	V2V2	3C X 1.5	7	0.8	1.8	10.8	175
3	V2V2	4C X 1.5	7	0.8	1.8	11.5	200
4	V2V2	5C X 1.5	7	0.8	1.8	12.5	250

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5	V2V2	6C X 1.5	7	0.8	1.8	13.5	275
6	V2V2	7C X 1.5	7	0.8	1.8	13.5	285
7	V2V2	8C X 1.5	7	0.8	1.8	14.3	325
8	V2V2	10C X 1.5	7	0.8	1.8	15.5	385
9	V2V2	12C X 1.5	7	0.8	1.8	16.5	450
10	V2V2	14C X 1.5	7	0.8	1.8	17.5	500
11	V2V2	15C X 1.5	7	0.8	1.8	18.0	550
12	V2V2	16C X 1.5	7	0.8	1.8	18.5	575
13	V2V2	18C X 1.5	7	0.8	1.8	19.2	635
14	V2V2	19C X 1.5	7	0.8	1.8	19.8	650
15	V2V2	20C X 1.5	7	0.8	1.8	20.2	675
16	V2V2	22C X 1.5	7	0.8	1.8	21.0	735
17	V2V2	24C X 1.5	7	0.8	1.8	21.7	800
18	V2V2	25C X 1.5	7	0.8	1.8	22.0	825
19	V2V2	26C X 1.5	7	0.8	1.8	22.5	850
20	V2V2	30C X 1.5	7	0.8	1.8	24.0	960
21	V2V2	32C X 1.5	7	0.8	1.8	24.5	1025
22	V2V2	35C X 1.5	7	0.8	1.8	25.5	1100
23	V2V2	36C X 1.5	7	0.8	1.8	25.8	1150
24	V2V2	40C X 1.5	7	0.8	1.8	27.0	1250
25	V2V2	50C X 1.5	7	0.8	1.9	30.0	1525
26	V2V2	61C X 1.5	7	0.8	1.9	32.5	1825
27	V2V2	2C X 2.5	7	0.8	1.8	11.0	175
28	V2V2	3C X 2.5	7	0.8	1.8	11.5	210
29	V2V2	4C X 2.5	7	0.8	1.8	12.5	255
30	V2V2	5C X 2.5	7	0.8	1.8	13.5	305
31	V2V2	6C X 2.5	7	0.8	1.8	14.5	355
32	V2V2	7C X 2.5	7	0.8	1.8	14.5	370
33	V2V2	8C X 2.5	7	0.8	1.8	15.5	425
34	V2V2	10C X 2.5	7	0.8	1.8	16.8	500

SERIAL NO.	TEKAB CODE	NO. OF CORES X CONDUCTOR SIZE (NO. X Sq.mm.)	NO. OF STRANDS	NOMINAL INSULATION THICKNESS	NOMINAL OUTER SHEATH THICKNESS	APPROX. OVERALL DIAMETER	APPROX. WEIGHT (kg/km)
35	V2V2	12C X 2.5	7	0.8	1.8	18.0	585
36	V2V2	14C X 2.5	7	0.8	1.8	19.3	670
37	V2V2	15C X 2.5	7	0.8	1.8	19.8	715
38	V2V2	16C X 2.5	7	0.8	1.8	20.5	755
39	V2V2	18C X 2.5	7	0.8	1.8	21.3	850
40	V2V2	19C X 2.5	7	0.8	1.8	21.8	875
41	V2V2	20C X 2.5	7	0.8	1.8	22.4	915
42	V2V2	22C X 2.5	7	0.8	1.8	23.4	985
43	V2V2	24C X 2.5	7	0.8	1.8	24.0	1075
44	V2V2	25C X 2.5	7	0.8	1.8	24.5	1105
45	V2V2	26C X 2.5	7	0.8	1.8	24.9	1150
46	V2V2	30C X 2.5	7	0.8	1.8	26.5	1300
47	V2V2	32C X 2.5	7	0.8	1.8	27.2	1385
48	V2V2	35C X 2.5	7	0.8	1.8	28.3	1500
49	V2V2	36C X 2.5	7	0.8	1.8	28.5	1550
50	V2V2	40C X 2.5	7	0.8	1.9	30.0	1700
51	V2V2	50C X 2.5	7	0.8	2.0	33.5	2100
52	V2V2	61C X 2.5	7	0.8	2.1	36.8	2550

