

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

APPLICATION

These types of cables are used for electrical distribution, control circuits, industrial power supply, HVAC systems, power distribution, underground and outdoor installations, and infrastructure projects, providing robust mechanical protection and durability.

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.
Inner Sheath:	Extruded layer of Polyvinyl Chloride (PVC) consistent with the operating temperature of the cable in Black colour. Other colors are available upon request.
Armouring:	A single layer of round galvanized steel wire armour is applied over the bedding.
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/SWA/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 (≤300mm ²) and 160°C (>300mm ²)
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.

SERIAL NO.	TEKAB CODE	NO. OF CORES X CONDUCTOR SIZE (NO. X Sq.mm.)	NO. OF STRANDS	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INNER SHEATH THICKNESS (mm)	NOMINAL ROUND ARMOUR WIRE DIAMETER (mm)	NOMINAL OVER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	V2VZ2V	2C X 1.5	7	0.8	1.0	0.9	1.8	14.0	380
2	V2VZ2V	3C X 1.5	7	0.8	1.0	0.9	1.8	14.5	425
3	V2VZ2V	4C X 1.5	7	0.8	1.0	0.9	1.8	15.5	475
4	V2VZ2V	5C X 1.5	7	0.8	1.0	0.9	1.8	16.3	550
5	V2VZ2V	6C X 1.5	7	0.8	1.0	0.9	1.8	17.2	600
6	V2VZ2V	7C X 1.5	7	0.8	1.0	0.9	1.8	17.2	615
7	V2VZ2V	8C X 1.5	7	0.8	1.0	1.25	1.8	18.5	775
8	V2VZ2V	10C X 1.5	7	0.8	1.0	1.25	1.8	20.0	875
9	V2VZ2V	12C X 1.5	7	0.8	1.0	1.25	1.8	21.0	975
10	V2VZ2V	14C X 1.5	7	0.8	1.0	1.25	1.8	22.0	1050
11	V2VZ2V	15C X 1.5	7	0.8	1.0	1.25	1.8	22.5	1100
12	V2VZ2V	16C X 1.5	7	0.8	1.0	1.25	1.8	23.0	1150
13	V2VZ2V	18C X 1.5	7	0.8	1.0	1.6	1.8	24.5	1380
14	V2VZ2V	19C X 1.5	7	0.8	1.0	1.6	1.8	25.0	1425
15	V2VZ2V	20C X 1.5	7	0.8	1.0	1.6	1.8	25.5	1475
16	V2VZ2V	22C X 1.5	7	0.8	1.0	1.6	1.8	26.2	1550
17	V2VZ2V	24C X 1.5	7	0.8	1.0	1.6	1.8	27.0	1650
18	V2VZ2V	25C X 1.5	7	0.8	1.0	1.6	1.8	27.3	1680
19	V2VZ2V	26C X 1.5	7	0.8	1.0	1.6	1.8	27.7	1725
20	V2VZ2V	30C X 1.5	7	0.8	1.0	1.6	1.8	29.5	1925
21	V2VZ2V	32C X 1.5	7	0.8	1.0	1.6	1.8	30.0	2000
22	V2VZ2V	35C X 1.5	7	0.8	1.0	1.6	1.9	30.8	2125
23	V2VZ2V	36C X 1.5	7	0.8	1.0	1.6	1.9	31.3	2175
24	V2VZ2V	40C X 1.5	7	0.8	1.0	1.6	1.9	32.5	2325
25	V2VZ2V	50C X 1.5	7	0.8	1.2	2.0	2.0	36.5	3000
26	V2VZ2V	61C X 1.5	7	0.8	1.2	2.0	2.1	39.5	3450
27	V2VZ2V	2C X 2.5	7	0.8	1.0	0.9	1.8	15.0	430
28	V2VZ2V	3C X 2.5	7	0.8	1.0	0.9	1.8	15.5	500

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29	V2VZ2V	4C X 2.5	7	0.8	1.0	0.9	1.8	16.5	560
30	V2VZ2V	5C X 2.5	7	0.8	1.0	0.9	1.8	17.5	650
31	V2VZ2V	6C X 2.5	7	0.8	1.0	1.25	1.8	19.2	825
32	V2VZ2V	7C X 2.5	7	0.8	1.0	1.25	1.8	19.2	850
33	V2VZ2V	8C X 2.5	7	0.8	1.0	1.25	1.8	20.0	925
34	V2VZ2V	10C X 2.5	7	0.8	1.0	1.25	1.8	21.5	1035
35	V2VZ2V	12C X 2.5	7	0.8	1.0	1.25	1.8	22.7	1175
36	V2VZ2V	14C X 2.5	7	0.8	1.0	1.6	1.8	24.5	1425
37	V2VZ2V	15C X 2.5	7	0.8	1.0	1.6	1.8	25.0	1500
38	V2VZ2V	16C X 2.5	7	0.8	1.0	1.6	1.8	25.5	1550
39	V2VZ2V	18C X 2.5	7	0.8	1.0	1.6	1.8	26.5	1675
40	V2VZ2V	19C X 2.5	7	0.8	1.0	1.6	1.8	27.0	1725
41	V2VZ2V	20C X 2.5	7	0.8	1.0	1.6	1.8	27.5	1775
42	V2VZ2V	22C X 2.5	7	0.8	1.0	1.6	1.8	28.5	1900
43	V2VZ2V	24C X 2.5	7	0.8	1.0	1.6	1.9	29.5	2025
44	V2VZ2V	25C X 2.5	7	0.8	1.0	1.6	1.9	30.0	2080
45	V2VZ2V	26C X 2.5	7	0.8	1.0	1.6	1.9	30.3	2150
46	V2VZ2V	30C X 2.5	7	0.8	1.0	1.6	1.9	32.0	2375
29	V2VZ2V	4C X 2.5	7	0.8	1.0	0.9	1.8	16.5	560
47	V2VZ2V	32C X 2.5	7	0.8	1.0	1.6	1.9	32.7	2475
48	V2VZ2V	35C X 2.5	7	0.8	1.0	1.6	2.0	34.0	2650
49	V2VZ2V	36C X 2.5	7	0.8	1.0	1.6	2.0	34.3	2725
50	V2VZ2V	40C X 2.5	7	0.8	1.0	2.0	2.0	36.5	3125
51	V2VZ2V	50C X 2.5	7	0.8	1.2	2.0	2.2	40.3	3775
52	V2VZ2V	61C X 2.5	7	0.8	1.2	2.0	2.2	43.5	4325