

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

APPLICATION

Suitable for indoor power distribution, low-voltage installations, lighting circuits, 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:	Black Other colors are available upon request.
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 (≤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 OUTER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	V2V2	1C X 1.5	7	0.8	1.4	6.0	60
2	V2V2	1C X 2.5	7	0.8	1.4	6.5	75
3	V2V2	1C X 4	7	1.0	1.4	7.5	100
4	V2V2	1C X 6	7	1.0	1.4	8.0	130
5	V2V2	1C X 10	7	1.0	1.4	9.0	180
6	V2V2	1C X 16	7	1.0	1.4	10.0	250

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7	V2V2	1C X 25	7	1.2	1.4	11.7	375
8	V2V2	1C X 35	7	1.2	1.4	12.8	475
9	V2V2	1C X 50	19	1.4	1.4	14.5	620
10	V2V2	1C X 70	19	1.4	1.4	16.5	850
11	V2V2	1C X 95	19	1.6	1.5	19.0	1120
12	V2V2	1C X 120	37	1.6	1.5	20.5	1400
13	V2V2	1C X 150	37	1.8	1.6	22.8	1720
14	V2V2	1C X 185	37	2.0	1.7	25.3	2150
15	V2V2	1C X 240	37	2.2	1.8	28.5	2775
16	V2V2	1C X 300	61	2.4	1.9	31.5	3425
17	V2V2	1C X 400	61	2.6	2.0	35.0	4325
18	V2V2	1C X 500	61	2.8	2.1	39.0	5400
19	V2V2	1C X 630	91	2.8	2.2	43.3	6925

