

LV POWER, SINGLE CORE, UNARMoured CABLE AS PER IEC 60502-1 (CU/XLPE/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 Cross Linked Polyethylene (XLPE) 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/XLPE/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 - 250°C
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), IEC 60332-3-22 (CAT A), 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	XV	1C X 1.5	7	0.7	1.4	5.8	55
2	XV	1C X 2.5	7	0.7	1.4	6.2	65
3	XV	1C X 4	7	0.7	1.4	6.8	85
4	XV	1C X 6	7	0.7	1.4	7.5	115
5	XV	1C X 10	7	0.7	1.4	8.3	155
6	XV	1C X 16	7	0.7	1.4	9.5	225

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)
7	XV	1C X 25	7	0.9	1.4	11.0	330
8	XV	1C X 35	7	0.9	1.4	12.2	450
9	XV	1C X 50	19	1.0	1.4	13.9	575
10	XV	1C X 70	19	1.1	1.4	15.8	800
11	XV	1C X 95	19	1.1	1.5	18.0	1075
12	XV	1C X 120	37	1.2	1.5	19.8	1325
13	XV	1C X 150	37	1.4	1.6	22.0	1625
14	XV	1C X 185	37	1.6	1.6	24.3	2020
15	XV	1C X 240	37	1.7	1.7	27.3	2600
16	XV	1C X 300	61	1.8	1.8	30.0	3225
17	XV	1C X 400	61	2.0	1.9	33.8	4090
18	XV	1C X 500	61	2.2	2.0	37.5	5125
19	XV	1C X 630	91	2.4	2.2	42.5	6650

