

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

APPLICATION

These types of cables are used for power distribution, industrial machinery, building wiring, 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:	Cross linked polyethylene (XLPE)
Insulation Color:	Black Other colors are available upon request.
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 Aluminum wire armour is applied over the inner sheath.
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/AWA/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 60332-3-22 (CAT A), 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 OUTER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	XVY2V	1C X 1.5	7	0.7	1.0	0.9	1.4	9.8	150
2	XVY2V	1C X 2.5	7	0.7	1.0	0.9	1.4	10.0	165
3	XVY2V	1C X 4.0	7	0.7	1.0	0.9	1.4	10.8	185
4	XVY2V	1C X 6.0	7	0.7	1.0	0.9	1.4	11.5	225
5	XVY2V	1C X 10	7	0.7	1.0	0.9	1.4	12.2	275
6	XVY2V	1C X 16	7	0.7	1.0	0.9	1.4	13.3	355
7	XVY2V	1C X 25	7	0.9	1.0	0.9	1.4	15.0	500
8	XVY2V	1C X35	7	0.9	1.0	0.9	1.4	16.0	610
9	XVY2V	1C X 50	19	1.0	1.0	1.25	1.5	18.5	800
10	XVY2V	1C X 70	19	1.1	1.0	1.25	1.5	20.5	1070
11	XVY2V	1C X 95	19	1.1	1.0	1.25	1.6	22.7	1375
12	XVY2V	1C X 120	37	1.2	1.0	1.6	1.7	25.5	1725
13	XVY2V	1C X 150	37	1.4	1.0	1.6	1.7	27.5	2050
14	XVY2V	1C X 185	37	1.6	1.0	1.6	1.8	29.8	2500
15	XVY2V	1C X 240	37	1.7	1.0	1.6	1.9	33.0	3150
16	XVY2V	1C X 300	61	1.8	1.0	1.6	1.9	35.5	3800
17	XVY2V	1C X 400	61	2.0	1.2	2.0	2.1	40.5	4900
18	XVY2V	1C X 500	61	2.2	1.2	2.0	2.2	44.2	6000
19	XVY2V	1C X 630	91	2.4	1.2	2.0	2.3	49.0	7625