

LV CONTROL, MULTI 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:	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/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.

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	XV	2C X 1.5	7	0.7	1.8	9.8	125
2	XV	3C X 1.5	7	0.7	1.8	10.3	150
3	XV	4C X 1.5	7	0.7	1.8	10.9	180
4	XV	5C X 1.5	7	0.7	1.8	12.0	210

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)
5	XV	6C X 1.5	7	0.7	1.8	12.8	250
6	XV	7C X 1.5	7	0.7	1.8	12.8	260
7	XV	8C X 1.5	7	0.7	1.8	13.5	280
8	XV	10C X 1.5	7	0.7	1.8	14.7	330
9	XV	12C X 1.5	7	0.7	1.8	15.7	380
10	XV	14C X 1.5	7	0.7	1.8	16.7	430
11	XV	15C X 1.5	7	0.7	1.8	17.2	470
12	XV	16C X 1.5	7	0.7	1.8	17.5	485
13	XV	18C X 1.5	7	0.7	1.8	18.5	550
14	XV	19C X 1.5	7	0.7	1.8	18.7	550
15	XV	20C X 1.5	7	0.7	1.8	19.2	575
16	XV	22C X 1.5	7	0.7	1.8	20.0	625
17	XV	24C X 1.5	7	0.7	1.8	20.7	675
18	XV	25C X 1.5	7	0.7	1.8	21.0	700
19	XV	26C X 1.5	7	0.7	1.8	21.3	725
20	XV	30C X 1.5	7	0.7	1.8	22.6	815
21	XV	32C X 1.5	7	0.7	1.8	23.2	875
22	XV	35C X 1.5	7	0.7	1.8	24.2	930
23	XV	36C X 1.5	7	0.7	1.8	24.5	960
24	XV	40C X 1.5	7	0.7	1.8	25.5	1050
25	XV	50C X 1.5	7	0.7	1.8	28.0	1275
26	XV	61C X 1.5	7	0.7	1.9	30.7	1525
27	XV	2C X 2.5	7	0.7	1.8	10.7	155
28	XV	3C X 2.5	7	0.7	1.8	11.2	185
29	XV	4C X 2.5	7	0.7	1.8	12.0	225
30	XV	5C X 2.5	7	0.7	1.8	13.0	275
31	XV	6C X 2.5	7	0.7	1.8	14.0	325
32	XV	7C X 2.5	7	0.7	1.8	14.0	350
33	XV	8C X 2.5	7	0.7	1.8	14.9	375
34	XV	10C X 2.5	7	0.7	1.8	16.2	450

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)
35	XV	12C X 2.5	7	0.7	1.8	17.5	525
36	XV	14C X 2.5	7	0.7	1.8	18.5	580
37	XV	15C X 2.5	7	0.7	1.8	19.0	625
38	XV	16C X 2.5	7	0.7	1.8	19.5	675
39	XV	18C X 2.5	7	0.7	1.8	20.4	740
40	XV	19C X 2.5	7	0.7	1.8	20.8	760
41	XV	20C X 2.5	7	0.7	1.8	21.3	800
42	XV	22C X 2.5	7	0.7	1.8	22.2	865
43	XV	24C X 2.5	7	0.7	1.8	23.0	930
44	XV	25C X 2.5	7	0.7	1.8	23.5	960
45	XV	26C X 2.5	7	0.7	1.8	23.8	1000
46	XV	30C X 2.5	7	0.7	1.8	25.2	1130
47	XV	32C X 2.5	7	0.7	1.8	26.0	1200
48	XV	35C X 2.5	7	0.7	1.8	27.0	1300
49	XV	36C X 2.5	7	0.7	1.8	27.3	1350
50	XV	40C X 2.5	7	0.7	1.8	28.5	1460
51	XV	50C X 2.5	7	0.7	1.9	31.8	1800
52	XV	61C X 2.5	7	0.7	2.0	34.8	2175

