

LV CONTROL, MULTI CORE, UNARMoured FIRE RESISTANT CABLE AS PER IEC 60502-1 (CU/MICA/XLPE/PVC)

APPLICATION

Suitable for indoor emergency power supply, process industries, low-voltage installations, lighting circuits, office spaces, 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:	MICA impregnated glass tape + 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 FROH 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/MICA/XLPE/PVC (NO. OF CORES X CONDUCTOR SIZE) 600/1000V IEC 60502-1 IEC 60331 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
Flame Retardant Test:	IEC 60332-1-2
Fire Resistant Test:	IEC 60331

*Other special sheath materials are also available with Flame Retardant:- 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	MXV	2C X 1.5	7	0.7	1.8	12.0	175
2	MXV	3C X 1.5	7	0.7	1.8	12.5	200

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3	MXV	4C X 1.5	7	0.7	1.8	13.5	250
4	MXV	5C X 1.5	7	0.7	1.8	14.5	300
5	MXV	6C X 1.5	7	0.7	1.8	15.0	300
6	MXV	7C X 1.5	7	0.7	1.8	15.0	325
7	MXV	8C X 1.5	7	0.7	1.8	15.5	350
8	MXV	10C X 1.5	7	0.7	1.8	17.0	425
9	MXV	12C X 1.5	7	0.7	1.8	18.5	475
10	MXV	14C X 1.5	7	0.7	1.8	19.5	550
11	MXV	15C X 1.5	7	0.7	1.8	20.0	575
12	MXV	16C X 1.5	7	0.7	1.8	20.5	625
13	MXV	18C X 1.5	7	0.7	1.8	21.5	675
14	MXV	19C X 1.5	7	0.7	1.8	22.0	700
15	MXV	20C X 1.5	7	0.7	1.8	22.5	725
16	MXV	22C X 1.5	7	0.7	1.8	23.5	800
17	MXV	24C X 1.5	7	0.7	1.8	24.0	850
18	MXV	25C X 1.5	7	0.7	1.8	24.5	875
19	MXV	26C X 1.5	7	0.7	1.8	25.0	900
20	MXV	30C X 1.5	7	0.7	1.8	26.5	1025
21	MXV	32C X 1.5	7	0.7	1.8	27.5	1100
22	MXV	35C X 1.5	7	0.7	1.8	28.5	1175
23	MXV	36C X 1.5	7	0.7	1.8	28.5	1225
24	MXV	40C X 1.5	7	0.7	1.8	30.0	1325
25	MXV	50C X 1.5	7	0.7	1.8	33.0	1600
26	MXV	61C X 1.5	7	0.7	1.9	36.5	1950
27	MXV	2C X 2.5	7	0.7	1.8	12.5	200
28	MXV	3C X 2.5	7	0.7	1.8	13.5	250
29	MXV	4C X 2.5	7	0.7	1.8	14.5	300
30	MXV	5C X 2.5	7	0.7	1.8	15.5	350

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31	MXV	6C X 2.5	7	0.7	1.8	16.0	375
32	MXV	7C X 2.5	7	0.7	1.8	16.0	400
33	MXV	8C X 2.5	7	0.7	1.8	17.0	450
34	MXV	10C X 2.5	7	0.7	1.8	18.5	550
35	MXV	12C X 2.5	7	0.7	1.8	20.0	625
36	MXV	14C X 2.5	7	0.7	1.8	21.5	700
37	MXV	15C X 2.5	7	0.7	1.8	22.0	750
38	MXV	16C X 2.5	7	0.7	1.8	22.5	800
39	MXV	18C X 2.5	7	0.7	1.8	23.5	900
40	MXV	19C X 2.5	7	0.7	1.8	24.0	925
41	MXV	20C X 2.5	7	0.7	1.8	24.5	950
42	MXV	22C X 2.5	7	0.7	1.8	25.5	1050
43	MXV	24C X 2.5	7	0.7	1.8	26.5	1100
44	MXV	25C X 2.5	7	0.7	1.8	27.0	1150
45	MXV	26C X 2.5	7	0.7	1.8	27.5	1200
46	MXV	30C X 2.5	7	0.7	1.8	29.5	1375
47	MXV	32C X 2.5	7	0.7	1.8	30.5	1475
48	MXV	35C X 2.5	7	0.7	1.8	31.5	1575
49	MXV	36C X 2.5	7	0.7	1.8	31.5	1625
50	MXV	40C X 2.5	7	0.7	1.8	33.0	1750
51	MXV	50C X 2.5	7	0.7	1.9	36.5	2175
52	MXV	61C X 2.5	7	0.7	2.0	40.5	2625