

LV POWER, 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:- Red, Yellow, Blue, Black & Green / Yellow
 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	2C X 2.5	7	0.7	1.8	12.5	200

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3	MXV	2C X 4	7	0.7	1.8	14.0	250
4	MXV	2C X 6	7	0.7	1.8	15.0	300
5	MXV	2C X 10	7	0.7	1.8	17.0	400
6	MXV	2C X 16	7	0.7	1.8	19.0	600
7	MXV	2C X 25	7	0.9	1.8	22.5	850
8	MXV	2C X 35	7	0.9	1.8	24.5	1100
9	MXV	2C X 50	19	1.0	1.8	27.5	1400
10	MXV	3C X 1.5	7	0.7	1.8	12.5	200
11	MXV	3C X 2.5	7	0.7	1.8	13.5	250
12	MXV	3C X 4	7	0.7	1.8	14.5	300
13	MXV	3C X 6	7	0.7	1.8	16.0	400
14	MXV	3C X 10	7	0.7	1.8	18.0	550
15	MXV	3C X 16	7	0.7	1.8	20.0	800
16	MXV	3C X 25	7	0.9	1.8	24.0	1150
17	MXV	3C X 35	7	0.9	1.8	26.5	1500
18	MXV	3C X 50	19	1.0	1.8	30.0	1950
19	MXV	4C X 1.5	7	0.7	1.8	13.5	250
20	MXV	4C X 2.5	7	0.7	1.8	14.5	300
21	MXV	4C X 4	7	0.7	1.8	15.5	375
22	MXV	4C X 6	7	0.7	1.8	17.0	500
23	MXV	4C X 10	7	0.7	1.8	19.5	675
24	MXV	4C X 16	7	0.7	1.8	22.0	1000
25	MXV	4C X 25	7	0.9	1.8	26.0	1475
26	MXV	4C X 35	7	0.9	1.8	29.0	1925
27	MXV	4C X 50	19	1.0	1.9	33.0	2500
28	MXV	5C X 1.5	7	0.7	1.8	14.5	300
29	MXV	5C X 2.5	7	0.7	1.8	15.5	350
30	MXV	5C X 4	7	0.7	1.8	17.5	450
31	MXV	5C X 6	7	0.7	1.8	19.0	600
32	MXV	5C X 10	7	0.7	1.8	21.5	825
33	MXV	5C X 16	7	0.7	1.8	24.0	1150
34	MXV	5C X 25	7	0.9	1.8	29.0	1750
35	MXV	5C X 35	7	0.9	1.8	32.0	2275