

LV POWER, SINGLE 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:	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/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.

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	1C X 1.5	7	0.7	1.4	6.5	75
2	MXV	1C X 2.5	7	0.7	1.4	7.0	85
3	MXV	1C X 4	7	0.7	1.4	7.5	100
4	MXV	1C X 6	7	0.7	1.4	8.0	125

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	MXV	1C X 10	7	0.7	1.4	9.0	175
6	MXV	1C X 16	7	0.7	1.4	10.0	250
7	MXV	1C X 25	7	0.9	1.4	11.5	350
8	MXV	1C X 35	7	0.9	1.4	13.0	450
9	MXV	1C X 50	19	1.0	1.4	14.5	575
10	MXV	1C X 70	19	1.1	1.4	16.5	825
11	MXV	1C X 95	19	1.1	1.5	18.5	1100
12	MXV	1C X 120	37	1.2	1.5	20.5	1350
13	MXV	1C X 150	37	1.4	1.6	22.5	1650
14	MXV	1C X 185	37	1.6	1.6	25.0	2050
15	MXV	1C X 240	37	1.7	1.7	28.0	2650
16	MXV	1C X 300	61	1.8	1.8	31.0	3250
17	MXV	1C X 400	61	2.0	1.9	34.5	4125
18	MXV	1C X 500	61	2.2	2.0	38.5	5175
19	MXV	1C X 630	91	2.4	2.2	43.0	6675

