

LV POWER, SINGLE CORE, UNARMoured CABLE AS PER IEC 60502-1 (CU/XLPE/LSZH)

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. For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment.

CONSTRUCTION

Conductor:	Stranded (Class 2) Annealed Plain Copper Conductor to IEC 60228
Insulation:	Extruded Cross Linked Polyethylene (XLPE) rated 90°C
Insulation Color:	Black Other colors are available upon request.
Outer Sheath:	Extruded Low Smoke Zero Halogen (LSZH) Type ST-8 to IEC 60502-1 in Black color. Other colors are available upon request.
Marking Text on the Outer Sheath (Example):	CU/XLPE/LSZH (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
Halogen Acid Gas Emission:	0.5% (BS EN 60754-1)
Smoke Emission:	60% (BS EN 61034-2)
Flame Retardant Test:	IEC 60332-1-2

*Other special sheath materials are also available with Flame Retardant: - IEC 60332-3-24 (CAT C), IEC 60332-3-22 (CAT A), 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	XZ1	1C X 1.5	7	0.7	1.4	5.8	55
2	XZ1	1C X 2.5	7	0.7	1.4	6.2	65

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3	XZ1	1C X 4	7	0.7	1.4	6.8	85
4	XZ1	1C X 6	7	0.7	1.4	7.5	115
5	XZ1	1C X 10	7	0.7	1.4	8.3	155
6	XZ1	1C X 16	7	0.7	1.4	9.5	225
7	XZ1	1C X 25	7	0.9	1.4	11.0	330
8	XZ1	1C X 35	7	0.9	1.4	12.2	450
9	XZ1	1C X 50	19	1.0	1.4	13.9	575
10	XZ1	1C X 70	19	1.1	1.4	15.8	800
11	XZ1	1C X 95	19	1.1	1.5	18.0	1075
12	XZ1	1C X 120	37	1.2	1.5	19.8	1325
13	XZ1	1C X 150	37	1.4	1.6	22.0	1625
14	XZ1	1C X 185	37	1.6	1.6	24.3	2020
15	XZ1	1C X 240	37	1.7	1.7	27.3	2600
16	XZ1	1C X 300	61	1.8	1.8	30.0	3225
17	XZ1	1C X 400	61	2.0	1.9	33.8	4090
18	XZ1	1C X 500	61	2.2	2.0	37.5	5125
19	XZ1	1C X 630	91	2.4	2.2	42.5	6650

