

LV POWER, SINGLE CORE, ARMoured CABLE AS PER BS 6724 (CU/XLPE/LSZH/AWA/LSZH)

APPLICATION

These types of cables are used for power distribution, industrial machinery, building wiring, underground and outdoor installations, and infrastructure projects, providing robust mechanical protection and durability. 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 BS EN 60228

Insulation: Cross linked polyethylene (XLPE) to BS 7655-1.3.

Insulation Color: Black
Other colors are available upon request.

Bedding: Extruded layer of Low Smoke Zero Halogen (LSZH) consistent with the operating temperature of the cable in Black colour. Other colors are available upon request.

Armouring: A single layer of round Aluminum wire armour is applied over the bedding.

Outer Sheath: Extruded Low Smoke Zero Halogen (LSZH) Type LTS 1 to BS 7655-6.1 in Black color. Other colors are available upon request.

Marking Text on the Outer Sheath (Example): ELECTRIC CABLE CU/XLPE/LSZH/AWA/LSZH (NO. OF CORES X CONDUCTOR SIZE) 600/1000V BS 6724 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: 70% (BS EN 61034-2)

Flame Retardant Test: BS EN 60332-3-24 (CAT C), IEC 60332-1-2

*Other special sheath materials are also available with Flame Retardant: - 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 BEDDING THICKNESS (mm)	NOMINAL ROUND ARMOUR WIRE DIAMETER (mm)	NOMINAL OUTER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	XZ1Y2Z1	1C X 50	19	1.0	0.8	0.9	1.5	17.5	750
2	XZ1Y2Z1	1C X 70	19	1.1	0.8	1.25	1.5	20.0	1035
3	XZ1Y2Z1	1C X 95	19	1.1	0.8	1.25	1.6	22.2	1350
4	XZ1Y2Z1	1C X 120	37	1.2	0.8	1.25	1.6	24.0	1625
5	XZ1Y2Z1	1C X 150	37	1.4	1.0	1.6	1.7	27.5	2050
6	XZ1Y2Z1	1C X 185	37	1.6	1.0	1.6	1.8	30.0	2500
7	XZ1Y2Z1	1C X 240	37	1.7	1.0	1.6	1.8	32.8	3130
8	XZ1Y2Z1	1C X 300	61	1.8	1.0	1.6	1.9	35.8	3800
9	XZ1Y2Z1	1C X 400	61	2.0	1.2	2.0	2.0	40.5	4875
10	XZ1Y2Z1	1C X 500	61	2.2	1.2	2.0	2.1	44.0	5600
11	XZ1Y2Z1	1C X 630	91	2.4	1.2	2.0	2.2	48.8	7600

