

LV POWER, SINGLE CORE, ARMoured CABLE AS PER BS 5467 (CU/XLPE/PVC/AWA/PVC)

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.

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 Polyvinyl Chloride (PVC) 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 Polyvinyl Chloride (PVC) Type 9 to BS 7655-4.2 in Black color. Other colors are available upon request.
Marking Text on the Outer Sheath (Example):	ELECTRIC CABLE CU/XLPE/PVC/AWA/PVC (NO. OF CORES X CONDUCTOR SIZE) 600/1000V BS 5467 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

*Other special sheath materials are also available with Flame Retardant:- IEC 60332-1-2, IEC 60332-3-22 (CAT A), IEC 60332-3-24 (CAT C), 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 BEDDING THICKNESS (mm)	NOMINAL ROUND ARMOUR WIRE DIAMETER (mm)	NOMINAL OUTER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	XVY2V	1C X 50	19	1.0	0.8	0.9	1.5	17.5	750
2	XVY2V	1C X 70	19	1.1	0.8	1.25	1.5	20.0	1035
3	XVY2V	1C X 95	19	1.1	0.8	1.25	1.6	22.2	1350

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4	XVY2V	1C X 120	37	1.2	0.8	1.25	1.6	24.0	1625
5	XVY2V	1C X 150	37	1.4	1.0	1.6	1.7	27.5	2050
6	XVY2V	1C X 185	37	1.6	1.0	1.6	1.8	30.0	2500
7	XVY2V	1C X 240	37	1.7	1.0	1.6	1.8	32.8	3130
8	XVY2V	1C X 300	61	1.8	1.0	1.6	1.9	35.8	3800
9	XVY2V	1C X 400	61	2.0	1.2	2.0	2.0	40.5	4875
10	XVY2V	1C X 500	61	2.2	1.2	2.0	2.1	44.0	5600
11	XVY2V	1C X 630	91	2.4	1.2	2.0	2.2	48.8	7600

