

LV CONTROL, MULTI CORE, ARMoured CABLE AS PER BS 5467 (CU/XLPE/PVC/SWA/PVC)

APPLICATION

These types of cables are used for industrial machinery, signal & power transmission for machinery, control & monitoring of electrical systems, 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 cores with number printed on each cores 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 binder tape.
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 galvanized steel 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/SWA/PVC (NO. OF CORES X CONDUCTOR SIZE) 600/1000V AUX 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.

Circular Conductor:-

SERIAL NO.	TEKAB CODE	NO. OF CORES X CONDUCTOR SIZE (X Sq.mm.)	NO. OF STRANDS	NOMINAL INSULATION THICKNESS (mm)	NOMINAL BEDDING THICKNESS (mm)	NOMINAL ROUND ARMOUR WIRE DIAMETER (mm)	NOMINAL OVER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	XVZ2V	7C X 1.5	7	0.6	0.8	0.9	1.4	14.7	480
2	XVZ2V	12C X 1.5	7	0.6	0.8	1.25	1.5	18.5	770
3	XVZ2V	19C X 1.5	7	0.6	0.8	1.25	1.6	21.5	1030
4	XVZ2V	27C X 1.5	7	0.6	1.0	1.6	1.7	25.5	1480
5	XVZ2V	37C X 1.5	7	0.6	1.0	1.6	1.7	28.3	1820
6	XVZ2V	7C X 2.5	7	0.7	0.8	0.9	1.4	16.7	615
7	XVZ2V	12C X 2.5	7	0.7	0.8	1.25	1.6	21.1	1010
8	XVZ2V	19C X 2.5	7	0.7	1.0	1.6	1.7	25.8	1560
9	XVZ2V	27C X 2.5	19	0.7	1.0	1.6	1.8	29.3	1975
10	XVZ2V	37C X 2.5	7	0.7	1.0	1.6	1.8	32.8	2450
11	XVZ2V	7C X 4	7	0.7	0.8	1.25	1.5	19.2	900
12	XVZ2V	12C X 4	7	0.7	1.0	1.6	1.6	24.3	1450
13	XVZ2V	19C X 4	7	0.7	1.0	1.6	1.7	28.6	1985
14	XVZ2V	27C X 4	7	0.7	1.0	1.6	1.9	32.8	2570
15	XVZ2V	37C X 4	7	0.7	1.2	2.0	2.0	38.1	3525

