

LV POWER, MULTI CORE, ARMoured CABLE AS PER BS 5467 (CU/XLPE/PVC/SWA/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:	2C:- Red & Black 3C:- Red, Yellow & Blue 4C:- Red, Yellow, Blue & Black 5C:- Red, Yellow, Blue, Black & Green / Yellow 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 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 (NO. 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	2C X 1.5	7	0.6	0.8	0.9	1.3	11.8	300
2	XVZ2V	2C X 2.5	7	0.7	0.8	0.9	1.4	13.2	360
3	XVZ2V	2C X 4	7	0.7	0.8	0.9	1.4	14.3	430
4	XVZ2V	2C X 6	7	0.7	0.8	0.9	1.4	15.5	500
5	XVZ2V	2C X 10	7	0.7	0.8	0.9	1.5	17.5	650
6	XVZ2V	2C X 16	7	0.7	0.8	1.25	1.5	20.3	1000
7	XVZ2V	2C X 25	7	0.9	0.8	1.25	1.6	24.0	1375
8	XVZ2V	2C X 35	7	0.9	1.0	1.6	1.7	27.5	1875
9	XVZ2V	2C X 50	19	1.0	1.0	1.6	1.9	31.0	2340
10	XVZ2V	3C X 1.5	7	0.6	0.8	0.9	1.3	12.2	325
11	XVZ2V	3C X 2.5	7	0.7	0.8	0.9	1.4	13.8	400
12	XVZ2V	3C X 4	7	0.7	0.8	0.9	1.4	14.9	485
13	XVZ2V	3C X 6	7	0.7	0.8	0.9	1.4	16.2	600
14	XVZ2V	3C X 10	7	0.7	0.8	1.25	1.5	19.0	890
15	XVZ2V	3C X 16	7	0.7	0.8	1.25	1.6	21.5	1200
16	XVZ2V	3C X 25	7	0.9	1.0	1.6	1.7	26.5	1880
17	XVZ2V	3C X 35	7	0.9	1.0	1.6	1.8	29.2	2325
18	XVZ2V	3C X 50	19	1.0	1.0	1.6	1.9	32.7	2880
19	XVZ2V	4C X 1.5	7	0.6	0.8	0.9	1.3	12.9	365
20	XVZ2V	4C X 2.5	7	0.7	0.8	0.9	1.4	14.6	465
21	XVZ2V	4C X 4	7	0.7	0.8	0.9	1.4	15.9	570
22	XVZ2V	4C X 6	7	0.7	0.8	1.25	1.5	18.2	800
23	XVZ2V	4C X 10	7	0.7	0.8	1.25	1.5	20.4	1050
24	XVZ2V	4C X 16	7	0.7	0.8	1.25	1.6	23.1	1430
25	XVZ2V	4C X 25	7	0.9	1.0	1.6	1.7	28.5	2240
26	XVZ2V	4C X 35	7	0.9	1.0	1.6	1.8	31.5	2785

Circular Conductor:-

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 OVER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
27	XVZ2V	4C X 50	19	1.0	1.2	2.0	2.0	36.6	3790
28	XVZ2V	5C X 1.5	7	0.6	0.8	0.9	1.4	14.0	420
29	XVZ2V	5C X 2.5	7	0.7	0.8	0.9	1.4	15.5	530
30	XVZ2V	5C X 4	7	0.7	0.8	0.9	1.5	17.2	660
31	XVZ2V	5C X 6	7	0.7	0.8	1.25	1.5	19.7	940
32	XVZ2V	5C X 10	7	0.7	0.8	1.25	1.6	22.3	1245
33	XVZ2V	5C X 16	7	0.7	1.0	1.6	1.7	26.5	1860
34	XVZ2V	5C X 25	7	0.9	1.0	1.6	1.8	31.3	2600
35	XVZ2V	5C X 35	7	0.9	1.0	1.6	1.9	34.6	3260

Shaped Conductor:-

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 OVER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	XVZ2V	3C X 25	7	0.9	1.0	1.6	1.7	23.0	1450
2	XVZ2V	3C X 35	7	0.9	1.0	1.6	1.8	25.0	1800
3	XVZ2V	3C X 50	19	1.0	1.0	1.6	1.8	28.0	2300
4	XVZ2V	3C X 70	19	1.1	1.0	1.6	1.9	31.0	3025
5	XVZ2V	3C X 95	19	1.1	1.2	2.0	2.1	35.5	4100
6	XVZ2V	3C X 120	19	1.2	1.2	2.0	2.2	38.5	4950
7	XVZ2V	3C X 150	19	1.4	1.4	2.5	2.3	43.8	6350
8	XVZ2V	3C X 185	37	1.6	1.4	2.5	2.4	47.5	7550
9	XVZ2V	3C X 240	37	1.7	1.4	2.5	2.6	52.5	9500
10	XVZ2V	3C X 300	37	1.8	1.6	2.5	2.7	57.0	11600

Shaped Conductor:-

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 OVER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
11	XVZ2V	3C X 400	61	2.0	1.6	2.5	2.9	64.0	14300
12	XVZ2V	4C X 25	7	0.9	1.0	1.6	1.7	25.8	1800
13	XVZ2V	4C X 35	7	0.9	1.0	1.6	1.8	28.5	2280
14	XVZ2V	4C X 50	19	1.0	1.0	1.6	1.9	32.0	2950
15	XVZ2V	4C X 70	19	1.1	1.2	2.0	2.1	37.5	4180
16	XVZ2V	4C X 95	19	1.1	1.2	2.0	2.2	41.2	5295
17	XVZ2V	4C X 120	19	1.2	1.4	2.5	2.3	46.5	6850
18	XVZ2V	4C X 150	19	1.4	1.4	2.5	2.4	50.8	8185
19	XVZ2V	4C X 185	37	1.6	1.4	2.5	2.6	55.7	9805
20	XVZ2V	4C X 240	37	1.7	1.6	2.5	2.7	61.5	12380
21	XVZ2V	4C X 300	37	1.8	1.6	2.5	2.9	67.2	15160
22	XVZ2V	4C X 400	61	2.0	1.8	3.15	3.2	77.5	19600

