LV POWER, MULTI CORE, ARMOURED CABLE AS PER IEC 60502-1 (CU/XLPE/PVC/DSTA/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 IEC 60228.
Insulation:	Cross linked polyethylene (XLPE)
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.
Inner Sheath:	Extruded layer of Polyvinyl Chloride (PVC) consistent with the operating temperature of the cable in Black colour. Other colors are available upon request.
Armouring:	Double galvanized steel tape is applied helically over the inner sheath.
Outer Sheath:	Extruded Polyvinyl Chloride (PVC) Type ST-2 to IEC 60502-1 in Black color. Other colors are available upon request.
Marking Text on the Outer Sheath (Example):	CU/XLPE/PVC/DSTA/PVC (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

*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 INNER SHEATH THICKNESS (mm)	NOMINAL GALVANIZED STEEL TAPE THICKNESS (mm)	NOMINAL OUTER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	XVZ4V	2C X 1.5	7	0.7	1.0	0.2	1.8	12.5	250
2	XVZ4V	2C X 2.5	7	0.7	1.0	0.2	1.8	13.5	300
3	XVZ4V	2C X 4	7	0.7	1.0	0.2	1.8	14.5	350
4	XVZ4V	2C X 6	7	0.7	1.0	0.2	1.8	15.5	425
5	XVZ4V	2C X 10	7	0.7	1.0	0.2	1.8	17.5	550
6	XVZ4V	2C X 16	7	0.7	1.0	0.2	1.8	19.5	750
7	XVZ4V	2C X 25	7	0.9	1.0	0.2	1.8	23.0	1075
8	XVZ4V	2C X 35	7	0.9	1.0	0.2	1.8	25.0	1350
9	XVZ4V	2C X 50	19	1.0	1.0	0.2	1.8	28.3	1700
10	XVZ4V	3C X 1.5	7	0.7	1.0	0.2	1.8	13.0	300
11	XVZ4V	3C X 2.5	7	0.7	1.0	0.2	1.8	14.0	325
12	XVZ4V	3C X 4	7	0.7	1.0	0.2	1.8	15.0	425
13	XVZ4V	3C X 6	7	0.7	1.0	0.2	1.8	16.5	525
14	XVZ4V	3C X 10	7	0.7	1.0	0.2	1.8	18.3	700
15	XVZ4V	3C X 16	7	0.7	1.0	0.2	1.8	20.5	950
16	XVZ4V	3C X 25	7	0.9	1.0	0.2	1.8	24.0	1375
17	XVZ4V	3C X 35	7	0.9	1.0	0.2	1.8	26.5	1725
18	XVZ4V	3C X 50	19	1.0	1.0	0.2	1.9	30.5	2225
19	XVZ4V	4C X 1.5	7	0.7	1.0	0.2	1.8	13.5	325
20	XVZ4V	4C X 2.5	7	0.7	1.0	0.2	1.8	14.5	400
21	XVZ4V	4C X 4	7	0.7	1.0	0.2	1.8	16.0	475
22	XVZ4V	4C X 6	7	0.7	1.0	0.2	1.8	17.5	600
23	XVZ4V	4C X 10	7	0.7	1.0	0.2	1.8	19.5	825
24	XVZ4V	4C X 16	7	0.7	1.0	0.2	1.8	22.0	1175
25	XVZ4V	4C X 25	7	0.9	1.0	0.2	1.8	26.5	1700
26	XVZ4V	4C X 35	7	0.9	1.0	0.2	1.8	29.0	2150

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27	XVZ4V	4C X 50	19	1.0	1.0	0.2	2.0	32.5	2750
28	XVZ4V	5C X 1.5	7	0.7	1.0	0.2	1.8	14.5	375
29	XVZ4V	5C X 2.5	7	0.7	1.0	0.2	1.8	15.8	450
30	XVZ4V	5C X 4	7	0.7	1.0	0.2	1.8	17.0	575
31	XVZ4V	5C X 6	7	0.7	1.0	0.2	1.8	19.0	725
32	XVZ4V	5C X 10	7	0.7	1.0	0.2	1.8	21.0	985
33	XVZ4V	5C X 16	7	0.7	1.0	0.2	1.8	24.0	1350
34	XVZ4V	5C X 25	7	0.9	1.0	0.2	1.8	28.5	1975
35	XVZ4V	5C X 35	7	0.9	1.0	0.2	1.9	32.0	2550