

LV CONTROL, MULTI CORE, LEAD SHEATHED, ARMoured CABLE AS PER IEC 60502-1 (CU/XLPE/PVC/LS/PVC/SWA/PVC)

APPLICATION

These types of cables are used for oil & gas sector, 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 IEC 60228.
Insulation:	Cross linked polyethylene (XLPE)
Insulation Color:	2C:- Red & Black 3C:- Red, Yellow & Blue 4C:- Red, Yellow, Blue & Black 5C & above:- Black core with number printed 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.
Lead Sheath:	Extruded Lead Alloy sheath is applied over inner sheath.
Separation Sheath:	Extruded Polyvinyl Chloride (PVC) Type ST-2 to IEC 60502-1 in Black color. Other colors are available upon request.
Armouring:	A single layer of round galvanized steel wire armour is applied over the separation 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/LS/PVC/SWA/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:-

SR. 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 LEAD SHEATH THICKNESS (mm)	NOMINAL SEPARATION SHEATH THICKNESS (mm)	NOMINAL ROUND ARMOUR WIRE DIAMETER (mm)	NOMINAL OUTER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	XVLVZ2V	2C X 1.5	7	0.7	1.0	1.2	1.0	1.25	1.8	18.5	1100
2	XVLVZ2V	3C X 1.5	7	0.7	1.0	1.2	1.0	1.25	1.8	19.0	1175
3	XVLVZ2V	4C X 1.5	7	0.7	1.0	1.2	1.0	1.25	1.8	20.0	1275
4	XVLVZ2V	5C X 1.5	7	0.7	1.0	1.2	1.0	1.25	1.8	21.0	1375
5	XVLVZ2V	6C X 1.5	7	0.7	1.0	1.2	1.0	1.25	1.8	21.5	1500
6	XVLVZ2V	7C X 1.5	7	0.7	1.0	1.2	1.0	1.25	1.8	21.5	1525
7	XVLVZ2V	8C X 1.5	7	0.7	1.0	1.2	1.0	1.25	1.8	22.5	1575
8	XVLVZ2V	10C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.8	24.0	1875
9	XVLVZ2V	12C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.8	25.0	2025
10	XVLVZ2V	14C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.8	26.0	2150
11	XVLVZ2V	15C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.8	26.5	2225
12	XVLVZ2V	16C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.8	27.0	2300
13	XVLVZ2V	18C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.8	28.0	2425
14	XVLVZ2V	19C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.8	28.0	2475
15	XVLVZ2V	20C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.8	28.5	2550
16	XVLVZ2V	22C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.8	29.5	2675
17	XVLVZ2V	24C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.9	30.5	2800
18	XVLVZ2V	25C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.9	30.5	2850
19	XVLVZ2V	26C X 1.5	7	0.7	1.0	1.2	1.0	1.6	1.9	31.0	2900
20	XVLVZ2V	30C X 1.5	7	0.7	1.0	1.3	1.0	1.6	1.9	32.5	3225
21	XVLVZ2V	32C X 1.5	7	0.7	1.0	1.3	1.0	1.6	2.0	33.5	3350
22	XVLVZ2V	35C X 1.5	7	0.7	1.0	1.3	1.0	2.0	2.0	35.0	3725
23	XVLVZ2V	36C X 1.5	7	0.7	1.0	1.3	1.0	2.0	2.0	35.0	3775
24	XVLVZ2V	40C X 1.5	7	0.7	1.0	1.3	1.0	2.0	2.0	36.5	3975
25	XVLVZ2V	50C X 1.5	7	0.7	1.0	1.4	1.0	2.0	2.2	39.5	4650
26	XVLVZ2V	61C X 1.5	7	0.7	1.2	1.5	1.0	2.0	2.2	42.5	5400
27	XVLVZ2V	2C X 2.5	7	0.7	1.0	1.2	1.0	1.25	1.8	19.5	1200



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28	XVLVZ2V	3C X 2.5	7	0.7	1.0	1.2	1.0	1.25	1.8	20.0	1300
29	XVLVZ2V	4C X 2.5	7	0.7	1.0	1.2	1.0	1.25	1.8	21.0	1400
30	XVLVZ2V	5C X 2.5	7	0.7	1.0	1.2	1.0	1.25	1.8	22.0	1550
31	XVLVZ2V	6C X 2.5	7	0.7	1.0	1.2	1.0	1.25	1.8	23.0	1675
32	XVLVZ2V	7C X 2.5	7	0.7	1.0	1.2	1.0	1.25	1.8	23.0	1700
33	XVLVZ2V	8C X 2.5	7	0.7	1.0	1.2	1.0	1.6	1.8	24.5	1950
34	XVLVZ2V	10C X 2.5	7	0.7	1.0	1.2	1.0	1.6	1.8	25.5	2125
35	XVLVZ2V	12C X 2.5	7	0.7	1.0	1.2	1.0	1.6	1.8	27.0	2300
36	XVLVZ2V	14C X 2.5	7	0.7	1.0	1.2	1.0	1.6	1.8	28.0	2475
37	XVLVZ2V	15C X 2.5	7	0.7	1.0	1.2	1.0	1.6	1.8	28.5	2575
38	XVLVZ2V	16C X 2.5	7	0.7	1.0	1.2	1.0	1.6	1.8	29.0	2650
39	XVLVZ2V	18C X 2.5	7	0.7	1.0	1.2	1.0	1.6	1.9	30.0	2850
40	XVLVZ2V	19C X 2.5	7	0.7	1.0	1.2	1.0	1.6	1.9	30.5	2900
41	XVLVZ2V	20C X 2.5	7	0.7	1.0	1.2	1.0	1.6	1.9	31.0	2975
42	XVLVZ2V	22C X 2.5	7	0.7	1.0	1.3	1.0	1.6	1.9	32.0	3225
43	XVLVZ2V	24C X 2.5	7	0.7	1.0	1.3	1.0	1.6	2.0	33.0	3400
44	XVLVZ2V	25C X 2.5	7	0.7	1.0	1.3	1.0	1.6	2.0	33.5	3475
45	XVLVZ2V	26C X 2.5	7	0.7	1.0	1.3	1.0	1.6	2.0	34.0	3550
46	XVLVZ2V	30C X 2.5	7	0.7	1.0	1.3	1.0	2.0	2.0	36.0	4050
47	XVLVZ2V	32C X 2.5	7	0.7	1.0	1.4	1.0	2.0	2.1	37.0	4350
48	XVLVZ2V	35C X 2.5	7	0.7	1.0	1.4	1.0	2.0	2.1	38.0	4550
49	XVLVZ2V	36C X 2.5	7	0.7	1.0	1.4	1.0	2.0	2.1	38.5	4625
50	XVLVZ2V	40C X 2.5	7	0.7	1.0	1.4	1.0	2.0	2.2	40.0	4900
51	XVLVZ2V	50C X 2.5	7	0.7	1.2	1.5	1.2	2.0	2.3	44.0	5875
52	XVLVZ2V	61C X 2.5	7	0.7	1.2	1.6	1.3	2.5	2.4	48.5	7225