TEKAB

LV POWER, MULTI CORE, UNARMOURED CABLE AS PER BS 7889 (CU/XLPE/PVC)

APPLICATION

Suitable for indoor power distribution, low-voltage installations, lighting circuits, and low-risk environments where mechanical protection is not critical. Ideal for use in conduits, trunking, and in locations protected from physical damage.

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.

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 (NO. OF CORES X CONDUCTOR SIZE) 600/1000V BS 7889 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 OUTER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	XV	2C X 1.5	7	0.7	1.8	9.8	110
2	XV	2C X 2.5	7	0.7	1.8	10.5	130
3	XV	2C X 4	7	0.7	1.8	11.5	170
4	XV	2C X 6	7	0.7	1.8	12.8	230

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Circular Conductor:-

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5	XV	2C X 10	7	0.7	1.8	14.7	325
6	XV	2C X 16	7	0.7	1.8	16.8	520
7	XV	2C X 25	7	0.9	1.8	20.2	775
8	XV	2C X 35	7	0.9	1.8	22.5	1000
9	XV	2C X 50	19	1.0	1.8	25.5	1300
10	XV	3C X 1.5	7	0.7	1.8	10.3	140
11	XV	3C X 2.5	7	0.7	1.8	11.2	175
12	XV	3C X 4	7	0.7	1.8	12.5	230
13	XV	3C X 6	7	0.7	1.8	13.5	300
14	XV	3C X 10	7	0.7	1.8	15.5	450
15	XV	3C X 16	7	0.7	1.8	17.7	700
16	XV	3C X 25	7	0.9	1.8	21.5	1050
17	XV	3C X 35	7	0.9	1.8	24.0	1375
18	XV	3C X 50	19	1.0	1.8	27.2	1800
19	XV	4C X 1.5	7	0.7	1.8	11.0	165
20	XV	4C X 2.5	7	0.7	1.8	12.0	200
21	XV	4C X 4	7	0.7	1.8	13.3	280
22	XV	4C X 6	7	0.7	1.8	14.5	375
23	XV	4C X 10	7	0.7	1.8	17.0	550
24	XV	4C X 16	7	0.7	1.8	19.2	875
25	XV	4C X 25	7	0.9	1.8	23.5	1330
26	XV	4C X 35	7	0.9	1.8	26.2	1760
27	XV	4C X 50	19	1.0	1.8	30.0	2300
28	XV	5C X 1.5	7	0.7	1.8	12.0	200
29	XV	5C X 2.5	7	0.7	1.8	13.0	250
30	XV	5C X 4	7	0.7	1.8	14.5	330
31	XV	5C X 6	7	0.7	1.8	16.0	450
32	XV	5C X 10	7	0.7	1.8	18.5	675
33	XV	5C X 16	7	0.7	1.8	21.2	1035
34	XV	5C X 25	7	0.9	1.8	26.0	1575
35	XV	5C X 35	7	0.9	1.8	29.0	2100

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Shaped Conductor:-

SERIAL NO.	TEKAB CODE	NO. OF CORES X CONDUCTOR SIZE (NO. X Sq.mm.)	NO. OF STRANDS	NOMINAL INSULATION THICKNESS (mm)	NOMINAL OUTER SHEATH THICKNESS (mm)	APPROX. OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)
1	XV	3C X 25	7	0.9	1.8	18.0	850
2	XV	3C X 35	7	0.9	1.8	20.0	1150
3	XV	3C X 50	19	1.0	1.8	22.8	1530
4	XV	3C X 70	19	1.1	1.9	26.0	2175
5	XV	3C X 95	19	1.1	2.0	29.5	2860
6	XV	3C X 120	19	1.2	2.1	32.4	3600
7	XV	4C X 25	7	0.9	1.8	21.0	1130
8	XV	4C X 35	7	0.9	1.8	23.5	1525
9	XV	4C X 50	19	1.0	1.8	27.0	2050
10	XV	4C X 70	19	1.1	2.0	31.0	2885
11	XV	4C X 95	19	1.1	2.1	34.8	3820
12	XV	4C X 120	19	1.2	2.3	38.8	4825