



TEKAB



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MULTICORE PVC INSULATED SCREENED/UNSCREENED CABLES FLEXIBLE CONDUCTOR (Class 5)

DESCRIPTION

- **Conductor:** Annealed bare/tinned flexible copper class 5 to IEC 60228 & BS 6360
- **Insulation:** PVC type T11 to BS 7655*
- **Identification:** numbered cores or coloured
- **Assembly:** in concentric layers
- **Screen:** (when required) aluminum bonded to polyester tape + tinned copper drain wire
- **Jacket:** overall PVC type TM1 to BS 7655*
- * **Optional:** 90°C / 105°C / FR / LS0H.

SPECIFICATION: Generally to BS 5308 part 2

CHARACTERISTICS

- Test Voltage: 1000Vac - 1min.
- Rated Voltage: 300/500 V
- Rated Temperature: 70°C
- Min. **Insulation Resistance** at 20°C: 25MΩ.km
- Max. **Mutual Capacitance** of adjacent cores at 1kHz: 250 pF/m
- **Conductor Resistance:** refer to technical section

Conductor: 0.5mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	6.5	52	VA7V 2 X 0.5K
3	6.9	63	VA7V 3 X 0.5K
4	7.5	77	VA7V 4 X 0.5K
5	8.2	93	VA7V 5 X 0.5K
6	8.9	110	VA7V 6 X 0.5K
7	8.9	115	VA7V 7 X 0.5K
8	9.5	128	VA7V 8 X 0.5K
10	10.4	154	VA7V 10 X 0.5K
12	11.2	179	VA7V 12 X 0.5K
14	11.9	204	VA7V 14 X 0.5K
16	12.7	229	VA7V 16 X 0.5K
18	13.3	254	VA7V 18 X 0.5K
20	13.9	278	VA7V 20 X 0.5K
21	14.2	290	VA7V 21 X 0.5K
24	15.1	327	VA7V 24 X 0.5K
25	15.4	339	VA7V 25 X 0.5K
27	15.9	363	VA7V 27 X 0.5K
30	16.7	399	VA7V 30 X 0.5K
34	17.6	447	VA7V 34 X 0.5K
37	18.3	482	VA7V 37 X 0.5K
40	19.0	518	VA7V 40 X 0.5K
50	21.0	636	VA7V 50 X 0.5K
61	23.0	764	VA7V 61 X 0.5K
80	26.1	985	VA7V 80 X 0.5K

for Unscreened VV -- X 0.5K
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 0.75mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	7.0	61	VA7V 2 X 0.75K
3	7.4	76	VA7V 3 X 0.75K
4	8.0	93	VA7V 4 X 0.75K
5	8.8	114	VA7V 5 X 0.75K
6	9.6	135	VA7V 6 X 0.75K
7	9.6	142	VA7V 7 X 0.75K
8	10.2	159	VA7V 8 X 0.75K
10	11.2	192	VA7V 10 X 0.75K
12	12.1	224	VA7V 12 X 0.75K
14	12.9	256	VA7V 14 X 0.75K
16	13.7	288	VA7V 16 X 0.75K
18	14.4	320	VA7V 18 X 0.75K
20	15.1	352	VA7V 20 X 0.75K
21	15.4	367	VA7V 21 X 0.75K
24	16.4	414	VA7V 24 X 0.75K
25	16.7	430	VA7V 25 X 0.75K
27	17.3	461	VA7V 27 X 0.75K
30	18.1	508	VA7V 30 X 0.75K
34	19.2	570	VA7V 34 X 0.75K
37	19.9	616	VA7V 37 X 0.75K
40	20.6	662	VA7V 40 X 0.75K
50	22.9	815	VA7V 50 X 0.75K
61	25.1	982	VA7V 61 X 0.75K
80	28.5	1269	VA7V 80 X 0.75K

for Unscreened VV -- X 0.75K
If Tinned Copper, add 'T' in code after the conductor size.

MULTICORE PVC INSULATED SCREENED/UNSCREENED CABLES
FLEXIBLE CONDUCTOR (Class 5)

Conductor: 1.0mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	7.4	70	VA7V 2 X 1K
3	7.8	88	VA7V 3 X 1K
4	8.5	108	VA7V 4 X 1K
5	9.3	133	VA7V 5 X 1K
6	10.2	158	VA7V 6 X 1K
7	10.2	167	VA7V 7 X 1K
8	10.8	188	VA7V 8 X 1K
10	11.9	228	VA7V 10 X 1K
12	12.9	267	VA7V 12 X 1K
14	13.8	306	VA7V 14 X 1K
16	14.6	345	VA7V 16 X 1K
18	15.4	384	VA7V 18 X 1K
20	16.1	422	VA7V 20 X 1K
21	16.5	441	VA7V 21 X 1K
24	17.5	498	VA7V 24 X 1K
25	17.8	517	VA7V 25 X 1K
27	18.4	555	VA7V 27 X 1K
30	19.3	612	VA7V 30 X 1K
34	20.5	688	VA7V 34 X 1K
37	21.3	744	VA7V 37 X 1K
40	22.1	800	VA7V 40 X 1K
50	24.5	987	VA7V 50 X 1K
61	26.8	1191	VA7V 61 X 1K
80	30.5	1541	VA7V 80 X 1K

for Unscreened VV -- X 1K

Conductor: 2.5mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	9.0	114	VA7V 2 X 2.5K
3	9.6	150	VA7V 3 X 2.5K
4	10.5	189	VA7V 4 X 2.5K
5	11.5	236	VA7V 5 X 2.5K
6	12.6	283	VA7V 6 X 2.5K
7	12.6	304	VA7V 7 X 2.5K
8	13.5	344	VA7V 8 X 2.5K
10	14.9	421	VA7V 10 X 2.5K
12	16.1	498	VA7V 12 X 2.5K
14	17.3	574	VA7V 14 X 2.5K
16	18.3	650	VA7V 16 X 2.5K
18	19.4	725	VA7V 18 X 2.5K
20	20.3	801	VA7V 20 X 2.5K
21	20.8	839	VA7V 21 X 2.5K
24	22.1	951	VA7V 24 X 2.5K
25	22.5	989	VA7V 25 X 2.5K
27	23.3	1064	VA7V 27 X 2.5K
30	24.5	1176	VA7V 30 X 2.5K
34	25.9	1325	VA7V 34 X 2.5K
37	27.0	1436	VA7V 37 X 2.5K
40	28.0	1547	VA7V 40 X 2.5K
50	31.1	1918	VA7V 50 X 2.5K
61	34.1	2323	VA7V 61 X 2.5K
80	38.8	3021	VA7V 80 X 2.5K

for Unscreened VV -- X 2.5K
 If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 1.5mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	8.0	85	VA7V 2 X 1.5K
3	8.5	109	VA7V 3 X 1.5K
4	9.2	135	VA7V 4 X 1.5K
5	10.2	167	VA7V 5 X 1.5K
6	11.1	200	VA7V 6 X 1.5K
7	11.1	213	VA7V 7 X 1.5K
8	11.8	240	VA7V 8 X 1.5K
10	13.0	292	VA7V 10 X 1.5K
12	14.1	344	VA7V 12 X 1.5K
14	15.1	395	VA7V 14 X 1.5K
16	16.0	446	VA7V 16 X 1.5K
18	16.9	497	VA7V 18 X 1.5K
20	17.7	548	VA7V 20 X 1.5K
21	18.1	573	VA7V 21 X 1.5K
24	19.2	649	VA7V 24 X 1.5K
25	19.6	674	VA7V 25 X 1.5K
27	20.3	724	VA7V 27 X 1.5K
30	21.3	799	VA7V 30 X 1.5K
34	22.5	899	VA7V 34 X 1.5K
37	23.4	973	VA7V 37 X 1.5K
40	24.3	1048	VA7V 40 X 1.5K
50	26.9	1295	VA7V 50 X 1.5K
61	29.6	1566	VA7V 61 X 1.5K
80	33.6	2032	VA7V 80 X 1.5K

for Unscreened VV -- X1.5K

Conductor: 4.0mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	11.1	279	VA7V 2 X 4K
3	11.9	393	VA7V 3 X 4K
4	13.0	510	VA7V 4 X 4K
5	14.4	640	VA7V 5 X 4K
6	15.8	771	VA7V 6 X 4K
7	15.8	859	VA7V 7 X 4K
8	16.9	977	VA7V 8 X 4K
10	18.7	1210	VA7V 10 X 4K
12	20.3	1443	VA7V 12 X 4K
14	21.8	1675	VA7V 14 X 4K
16	23.2	1907	VA7V 16 X 4K
18	24.5	2138	VA7V 18 X 4K
20	25.7	2369	VA7V 20 X 4K
21	26.3	2484	VA7V 21 X 4K
24	28.0	2830	VA7V 24 X 4K
25	28.6	2946	VA7V 25 X 4K
27	29.6	3176	VA7V 27 X 4K
30	31.1	3521	VA7V 30 X 4K
34	33.0	3980	VA7V 34 X 4K
37	34.4	4325	VA7V 37 X 4K
40	35.7	4669	VA7V 40 X 4K
50	39.7	5815	VA7V 50 X 4K
61	43.6	7073	VA7V 61 X 4K
80	49.7	9243	VA7V 80 X 4K

for Unscreened VV -- X 4K
 If Tinned Copper, add 'T' in code after the conductor size.