

TEKAB



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MULTICORE PVC INSULATED SCREENED/UNSCREENED CABLES STRANDED AWG CONDUCTOR

DESCRIPTION

- **Conductor:** Annealed bare/tinned stranded copper
- **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: 24 AWG (7X0.2mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	4.4	25	VA7V 2 X 24AWGK
3	4.6	28	VA7V 3 X 24AWGK
4	4.8	33	VA7V 4 X 24AWGK
5	5.2	39	VA7V 5 X 24AWGK
6	5.5	45	VA7V 6 X 24AWGK
7	5.5	46	VA7V 7 X 24AWGK
8	5.8	51	VA7V 8 X 24AWGK
10	6.2	60	VA7V 10 X 24AWGK
12	6.6	69	VA7V 12 X 24AWGK
14	7.1	78	VA7V 14 X 24AWGK
16	7.4	87	VA7V 16 X 24AWGK
18	7.8	96	VA7V 18 X 24AWGK
20	8.1	104	VA7V 20 X 24AWGK
21	8.3	108	VA7V 21 X 24AWGK
24	8.7	121	VA7V 24 X 24AWGK
25	8.8	125	VA7V 25 X 24AWGK
27	9.1	134	VA7V 27 X 24AWGK
30	9.5	146	VA7V 30 X 24AWGK
34	10.0	163	VA7V 34 X 24AWGK
37	10.4	175	VA7V 37 X 24AWGK
40	10.7	188	VA7V 40 X 24AWGK
50	11.8	229	VA7V 50 X 24AWGK
61	12.8	273	VA7V 61 X 24AWGK
80	14.4	349	VA7V 80 X 24AWGK

for Unscreened VV -- X 24AWGK
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 22 AWG (7X0.25mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	4.9	31	VA7V 2 X 22AWGK
3	5.1	37	VA7V 3 X 22AWGK
4	5.5	43	VA7V 4 X 22AWGK
5	5.9	52	VA7V 5 X 22AWGK
6	6.3	60	VA7V 6 X 22AWGK
7	6.3	63	VA7V 7 X 22AWGK
8	6.6	70	VA7V 8 X 22AWGK
10	7.3	84	VA7V 10 X 22AWGK
12	7.8	97	VA7V 12 X 22AWGK
14	8.3	110	VA7V 14 X 22AWGK
16	8.7	123	VA7V 16 X 22AWGK
18	9.1	136	VA7V 18 X 22AWGK
20	9.5	149	VA7V 20 X 22AWGK
21	9.7	155	VA7V 21 X 22AWGK
24	10.3	174	VA7V 24 X 22AWGK
25	10.4	181	VA7V 25 X 22AWGK
27	10.8	193	VA7V 27 X 22AWGK
30	11.3	212	VA7V 30 X 22AWGK
34	11.9	237	VA7V 34 X 22AWGK
37	12.3	255	VA7V 37 X 22AWGK
40	12.7	274	VA7V 40 X 22AWGK
50	14.0	335	VA7V 50 X 22AWGK
61	15.3	402	VA7V 61 X 22AWGK
80	17.3	516	VA7V 80 X 22AWGK

for Unscreened VV -- X 22AWGK
If Tinned Copper, add 'T' in code after the conductor size.

**MULTICORE PVC INSULATED SCREENED/UNSCREENED CABLES
SOLID AWG CONDUCTOR**

Conductor: 20 AWG (1X0.813mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	5.7	44	VA7V 2 X 20AWGU
3	5.9	53	VA7V 3 X 20AWGU
4	6.4	63	VA7V 4 X 20AWGU
5	6.9	75	VA7V 5 X 20AWGU
6	7.5	89	VA7V 6 X 20AWGU
7	7.5	93	VA7V 7 X 20AWGU
8	8.0	104	VA7V 8 X 20AWGU
10	8.7	125	VA7V 10 X 20AWGU
12	9.4	145	VA7V 12 X 20AWGU
14	10.0	165	VA7V 14 X 20AWGU
16	10.6	184	VA7V 16 X 20AWGU
18	11.1	204	VA7V 18 X 20AWGU
20	11.6	224	VA7V 20 X 20AWGU
21	11.9	233	VA7V 21 X 20AWGU
24	12.6	262	VA7V 24 X 20AWGU
25	12.8	272	VA7V 25 X 20AWGU
27	13.2	291	VA7V 27 X 20AWGU
30	13.8	320	VA7V 30 X 20AWGU
34	14.6	358	VA7V 34 X 20AWGU
37	15.2	386	VA7V 37 X 20AWGU
40	15.7	414	VA7V 40 X 20AWGU
50	17.3	508	VA7V 50 X 20AWGU
61	19.0	610	VA7V 61 X 20AWGU
80	21.5	786	VA7V 80 X 20AWGU

for Unscreened VV -- X 20AWGU

Conductor: 16 AWG (1X1.29mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	7.4	74	VA7V 2 X 16AWGU
3	7.8	95	VA7V 3 X 16AWGU
4	8.5	117	VA7V 4 X 16AWGU
5	9.3	145	VA7V 5 X 16AWGU
6	10.2	173	VA7V 6 X 16AWGU
7	10.2	184	VA7V 7 X 16AWGU
8	10.8	207	VA7V 8 X 16AWGU
10	11.9	252	VA7V 10 X 16AWGU
12	12.9	296	VA7V 12 X 16AWGU
14	13.7	340	VA7V 14 X 16AWGU
16	14.6	383	VA7V 16 X 16AWGU
18	15.4	427	VA7V 18 X 16AWGU
20	16.1	470	VA7V 20 X 16AWGU
21	16.4	491	VA7V 21 X 16AWGU
24	17.5	556	VA7V 24 X 16AWGU
25	17.8	577	VA7V 25 X 16AWGU
27	18.4	620	VA7V 27 X 16AWGU
30	19.3	684	VA7V 30 X 16AWGU
34	20.4	769	VA7V 34 X 16AWGU
37	21.2	832	VA7V 37 X 16AWGU
40	22.0	896	VA7V 40 X 16AWGU
50	24.4	1106	VA7V 50 X 16AWGU
61	26.8	1336	VA7V 61 X 16AWGU
80	30.4	1733	VA7V 80 X 16AWGU

for Unscreened VV -- X 16AWGU
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 18 AWG (1X1.02mm)

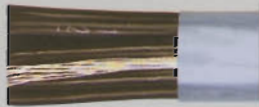
Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	6.7	59	VA7V 2 X 18AWGU
3	7.2	74	VA7V 3 X 18AWGU
4	7.8	91	VA7V 4 X 18AWGU
5	8.5	111	VA7V 5 X 18AWGU
6	9.3	132	VA7V 6 X 18AWGU
7	9.3	139	VA7V 7 X 18AWGU
8	9.8	156	VA7V 8 X 18AWGU
10	10.8	188	VA7V 10 X 18AWGU
12	11.7	220	VA7V 12 X 18AWGU
14	12.5	252	VA7V 14 X 18AWGU
16	13.2	283	VA7V 16 X 18AWGU
18	13.9	314	VA7V 18 X 18AWGU
20	14.5	345	VA7V 20 X 18AWGU
21	14.9	361	VA7V 21 X 18AWGU
24	15.8	407	VA7V 24 X 18AWGU
25	16.0	422	VA7V 25 X 18AWGU
27	16.6	453	VA7V 27 X 18AWGU
30	17.4	499	VA7V 30 X 18AWGU
34	18.4	560	VA7V 34 X 18AWGU
37	19.1	605	VA7V 37 X 18AWGU
40	19.8	651	VA7V 40 X 18AWGU
50	22.0	801	VA7V 50 X 18AWGU
61	24.1	965	VA7V 61 X 18AWGU
80	27.3	1248	VA7V 80 X 18AWGU

for Unscreened VV -- X 18AWGU

Conductor: 14 AWG (1X1.63mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	8.1	96	VA7V 2 X 14AWGU
3	8.6	126	VA7V 3 X 14AWGU
4	9.4	158	VA7V 4 X 14AWGU
5	10.4	196	VA7V 5 X 14AWGU
6	11.3	234	VA7V 6 X 14AWGU
7	11.3	252	VA7V 7 X 14AWGU
8	12.1	285	VA7V 8 X 14AWGU
10	13.3	348	VA7V 10 X 14AWGU
12	14.4	411	VA7V 12 X 14AWGU
14	15.4	473	VA7V 14 X 14AWGU
16	16.3	535	VA7V 16 X 14AWGU
18	17.2	597	VA7V 18 X 14AWGU
20	18.0	659	VA7V 20 X 14AWGU
21	18.4	690	VA7V 21 X 14AWGU
24	19.6	782	VA7V 24 X 14AWGU
25	20.0	813	VA7V 25 X 14AWGU
27	20.7	874	VA7V 27 X 14AWGU
30	21.7	965	VA7V 30 X 14AWGU
34	23.0	1087	VA7V 34 X 14AWGU
37	23.9	1178	VA7V 37 X 14AWGU
40	24.8	1269	VA7V 40 X 14AWGU
50	27.5	1572	VA7V 50 X 14AWGU
61	30.2	1903	VA7V 61 X 14AWGU
80	34.3	2473	VA7V 80 X 14AWGU

for Unscreened VV -- X 14AWGU
If Tinned Copper, add 'T' in code after the conductor size.



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DESCRIPTION

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SPECIFICATION: Generally to BS 5308 part 2

CHARACTERISTICS

- Test Voltage: 1000Vac - 1min.
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- 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: 24 AWG (7X0.2mm)

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2	4.4	25	VA7V 2 X 24AWGK
3	4.6	28	VA7V 3 X 24AWGK
4	4.8	33	VA7V 4 X 24AWGK
5	5.2	39	VA7V 5 X 24AWGK
6	5.5	45	VA7V 6 X 24AWGK
7	5.5	46	VA7V 7 X 24AWGK
8	5.8	51	VA7V 8 X 24AWGK
10	6.2	60	VA7V 10 X 24AWGK
12	6.6	69	VA7V 12 X 24AWGK
14	7.1	78	VA7V 14 X 24AWGK
16	7.4	87	VA7V 16 X 24AWGK
18	7.8	96	VA7V 18 X 24AWGK
20	8.1	104	VA7V 20 X 24AWGK
21	8.3	108	VA7V 21 X 24AWGK
24	8.7	121	VA7V 24 X 24AWGK
25	8.8	125	VA7V 25 X 24AWGK
27	9.1	134	VA7V 27 X 24AWGK
30	9.5	146	VA7V 30 X 24AWGK
34	10.0	163	VA7V 34 X 24AWGK
37	10.4	175	VA7V 37 X 24AWGK
40	10.7	188	VA7V 40 X 24AWGK
50	11.8	229	VA7V 50 X 24AWGK
61	12.8	273	VA7V 61 X 24AWGK
80	14.4	349	VA7V 80 X 24AWGK

for Unscreened VV -- X 24AWGK
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 22 AWG (7X0.25mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	4.9	31	VA7V 2 X 22AWGK
3	5.1	37	VA7V 3 X 22AWGK
4	5.5	43	VA7V 4 X 22AWGK
5	5.9	52	VA7V 5 X 22AWGK
6	6.3	60	VA7V 6 X 22AWGK
7	6.3	63	VA7V 7 X 22AWGK
8	6.6	70	VA7V 8 X 22AWGK
10	7.3	84	VA7V 10 X 22AWGK
12	7.8	97	VA7V 12 X 22AWGK
14	8.3	110	VA7V 14 X 22AWGK
16	8.7	123	VA7V 16 X 22AWGK
18	9.1	136	VA7V 18 X 22AWGK
20	9.5	149	VA7V 20 X 22AWGK
21	9.7	155	VA7V 21 X 22AWGK
24	10.3	174	VA7V 24 X 22AWGK
25	10.4	181	VA7V 25 X 22AWGK
27	10.8	193	VA7V 27 X 22AWGK
30	11.3	212	VA7V 30 X 22AWGK
34	11.9	237	VA7V 34 X 22AWGK
37	12.3	255	VA7V 37 X 22AWGK
40	12.7	274	VA7V 40 X 22AWGK
50	14.0	335	VA7V 50 X 22AWGK
61	15.3	402	VA7V 61 X 22AWGK
80	17.3	516	VA7V 80 X 22AWGK

for Unscreened VV -- X 22AWGK
If Tinned Copper, add 'T' in code after the conductor size.

**MULTICORE PVC INSULATED SCREENED/UNSCREENED CABLES
STRANDED AWG CONDUCTOR**

Conductor: 20 AWG (10X0.25mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	5.8	45	VA7V 2 X 20AWGK
3	6.2	54	VA7V 3 X 20AWGK
4	6.6	65	VA7V 4 X 20AWGK
5	7.2	79	VA7V 5 X 20AWGK
6	7.9	92	VA7V 6 X 20AWGK
7	7.9	97	VA7V 7 X 20AWGK
8	8.3	108	VA7V 8 X 20AWGK
10	9.1	129	VA7V 10 X 20AWGK
12	9.8	150	VA7V 12 X 20AWGK
14	10.5	170	VA7V 14 X 20AWGK
16	11.1	191	VA7V 16 X 20AWGK
18	11.6	211	VA7V 18 X 20AWGK
20	12.1	231	VA7V 20 X 20AWGK
21	12.4	241	VA7V 21 X 20AWGK
24	13.1	271	VA7V 24 X 20AWGK
25	13.4	281	VA7V 25 X 20AWGK
27	13.8	301	VA7V 27 X 20AWGK
30	14.5	331	VA7V 30 X 20AWGK
34	15.3	370	VA7V 34 X 20AWGK
37	15.9	399	VA7V 37 X 20AWGK
40	16.4	429	VA7V 40 X 20AWGK
50	18.2	525	VA7V 50 X 20AWGK
61	19.9	631	VA7V 61 X 20AWGK
80	22.5	812	VA7V 80 X 20AWGK

for Unscreened VV -- X 20AWGK

Conductor: 16 AWG (26X0.25mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	7.7	78	VA7V 2 X 16AWGK
3	8.2	100	VA7V 3 X 16AWGK
4	8.9	124	VA7V 4 X 16AWGK
5	9.8	153	VA7V 5 X 16AWGK
6	10.7	183	VA7V 6 X 16AWGK
7	10.7	194	VA7V 7 X 16AWGK
8	11.4	218	VA7V 8 X 16AWGK
10	12.6	265	VA7V 10 X 16AWGK
12	13.6	312	VA7V 12 X 16AWGK
14	14.6	358	VA7V 14 X 16AWGK
16	15.4	404	VA7V 16 X 16AWGK
18	16.3	450	VA7V 18 X 16AWGK
20	17.1	496	VA7V 20 X 16AWGK
21	17.4	518	VA7V 21 X 16AWGK
24	18.5	586	VA7V 24 X 16AWGK
25	18.9	609	VA7V 25 X 16AWGK
27	19.5	654	VA7V 27 X 16AWGK
30	20.5	721	VA7V 30 X 16AWGK
34	21.7	811	VA7V 34 X 16AWGK
37	22.6	878	VA7V 37 X 16AWGK
40	23.4	945	VA7V 40 X 16AWGK
50	25.9	1167	VA7V 50 X 16AWGK
61	28.5	1410	VA7V 61 X 16AWGK
80	32.4	1828	VA7V 80 X 16AWGK

for Unscreened VV -- X 16AWGK
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 18 AWG (16X0.25mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	7.0	62	VA7V 2 X 18AWGK
3	7.5	77	VA7V 3 X 18AWGK
4	8.1	95	VA7V 4 X 18AWGK
5	8.9	116	VA7V 5 X 18AWGK
6	9.7	138	VA7V 6 X 18AWGK
7	9.7	145	VA7V 7 X 18AWGK
8	10.3	162	VA7V 8 X 18AWGK
10	11.3	196	VA7V 10 X 18AWGK
12	12.2	230	VA7V 12 X 18AWGK
14	13.1	263	VA7V 14 X 18AWGK
16	13.8	296	VA7V 16 X 18AWGK
18	14.6	328	VA7V 18 X 18AWGK
20	15.3	361	VA7V 20 X 18AWGK
21	15.6	377	VA7V 21 X 18AWGK
24	16.5	425	VA7V 24 X 18AWGK
25	16.8	441	VA7V 25 X 18AWGK
27	17.4	473	VA7V 27 X 18AWGK
30	18.3	521	VA7V 30 X 18AWGK
34	19.3	585	VA7V 34 X 18AWGK
37	20.1	632	VA7V 37 X 18AWGK
40	20.8	679	VA7V 40 X 18AWGK
50	23.1	837	VA7V 50 X 18AWGK
61	25.3	1008	VA7V 61 X 18AWGK
80	28.7	1303	VA7V 80 X 18AWGK

for Unscreened VV -- X 18AWGK

Conductor: 14 AWG (41X0.25mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	8.6	101	VA7V 2 X 14AWGK
3	9.1	132	VA7V 3 X 14AWGK
4	9.9	165	VA7V 4 X 14AWGK
5	11.0	205	VA7V 5 X 14AWGK
6	12.0	246	VA7V 6 X 14AWGK
7	12.0	263	VA7V 7 X 14AWGK
8	12.8	298	VA7V 8 X 14AWGK
10	14.1	364	VA7V 10 X 14AWGK
12	15.3	429	VA7V 12 X 14AWGK
14	16.4	494	VA7V 14 X 14AWGK
16	17.4	559	VA7V 16 X 14AWGK
18	18.3	624	VA7V 18 X 14AWGK
20	19.2	688	VA7V 20 X 14AWGK
21	19.6	721	VA7V 21 X 14AWGK
24	20.9	817	VA7V 24 X 14AWGK
25	21.3	849	VA7V 25 X 14AWGK
27	22.0	913	VA7V 27 X 14AWGK
30	23.1	1008	VA7V 30 X 14AWGK
34	24.5	1135	VA7V 34 X 14AWGK
37	25.5	1230	VA7V 37 X 14AWGK
40	26.4	1325	VA7V 40 X 14AWGK
50	29.3	1641	VA7V 50 X 14AWGK
61	32.2	1986	VA7V 61 X 14AWGK
80	36.6	2581	VA7V 80 X 14AWGK

for Unscreened VV -- X 14AWGK
If Tinned Copper, add 'T' in code after the conductor size.