



TEKAB

MULTICORE PVC INSULATED SCREENED/UNSCREENED ARMoured CABLES SOLID CONDUCTOR (Class 1)

DESCRIPTION

- **Conductor:** Annealed bare/tinned solid copper class 1 to IEC 60228 & BS 6360
- **Insulation:** PVC type TI1 to BS 7655*
- **Identification:** numbered cores or coloured
- **Assembly:** in concentric layers
- **Screen:** (when required) aluminum bonded to polyester tape + tinned copper drain wire
- **Bedding:** extruded PVC type TM1
- **Armouring:** galvanized steel wire (GSW)
- **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: 0.28mm² (1X0.6mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	9.1	179	VA7Z2V 2 X 0.28U
3	9.3	191	VA7Z2V 3 X 0.28U
4	9.7	205	VA7Z2V 4 X 0.28U
5	10.1	221	VA7Z2V 5 X 0.28U
6	10.6	238	VA7Z2V 6 X 0.28U
7	10.6	240	VA7Z2V 7 X 0.28U
8	10.9	254	VA7Z2V 8 X 0.28U
10	11.4	281	VA7Z2V 10 X 0.28U
12	11.9	302	VA7Z2V 12 X 0.28U
14	12.4	328	VA7Z2V 14 X 0.28U
16	12.8	348	VA7Z2V 16 X 0.28U
18	13.2	368	VA7Z2V 18 X 0.28U
20	13.6	393	VA7Z2V 20 X 0.28U
21	13.8	400	VA7Z2V 21 X 0.28U
24	15.1	518	VA7Z2V 24 X 0.28U
25	15.2	525	VA7Z2V 25 X 0.28U
27	15.6	549	VA7Z2V 27 X 0.28U
30	16.0	579	VA7Z2V 30 X 0.28U
34	16.6	616	VA7Z2V 34 X 0.28U
37	17.0	646	VA7Z2V 37 X 0.28U
40	17.4	676	VA7Z2V 40 X 0.28U
50	18.6	771	VA7Z2V 50 X 0.28U
61	19.9	871	VA7Z2V 61 X 0.28U
80	21.7	1027	VA7Z2V 80 X 0.28U

for Unscreened VZ2V -- X 0.28U
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 0.5mm² (1X0.8mm)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	10.3	227	VA7Z2V 2 X 0.5U
3	10.6	239	VA7Z2V 3 X 0.5U
4	11.1	264	VA7Z2V 4 X 0.5U
5	11.7	294	VA7Z2V 5 X 0.5U
6	12.3	323	VA7Z2V 6 X 0.5U
7	12.3	327	VA7Z2V 7 X 0.5U
8	12.8	348	VA7Z2V 8 X 0.5U
10	13.6	391	VA7Z2V 10 X 0.5U
12	15.1	516	VA7Z2V 12 X 0.5U
14	15.7	563	VA7Z2V 14 X 0.5U
16	16.3	599	VA7Z2V 16 X 0.5U
18	16.9	635	VA7Z2V 18 X 0.5U
20	17.4	670	VA7Z2V 20 X 0.5U
21	17.7	693	VA7Z2V 21 X 0.5U
24	18.4	740	VA7Z2V 24 X 0.5U
25	18.7	762	VA7Z2V 25 X 0.5U
27	19.1	797	VA7Z2V 27 X 0.5U
30	19.8	843	VA7Z2V 30 X 0.5U
34	20.6	911	VA7Z2V 34 X 0.5U
37	21.2	956	VA7Z2V 37 X 0.5U
40	21.8	1012	VA7Z2V 40 X 0.5U
50	23.5	1167	VA7Z2V 50 X 0.5U
61	26.0	1495	VA7Z2V 61 X 0.5U
80	28.6	1772	VA7Z2V 80 X 0.5U

for Unscreened VZ2V -- X 0.5U
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MULTICORE PVC INSULATED SCREENED/UNSCREENED ARMoured CABLES
SOLID CONDUCTOR (Class 1)

Conductor: 1.0mm ² (1X1.13mm)			
Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	11.8	285	VA7Z2V 2 X 1U
3	12.3	311	VA7Z2V 3 X 1U
4	12.9	347	VA7Z2V 4 X 1U
5	13.8	395	VA7Z2V 5 X 1U
6	15.4	535	VA7Z2V 6 X 1U
7	15.4	543	VA7Z2V 7 X 1U
8	16.1	580	VA7Z2V 8 X 1U
10	17.1	660	VA7Z2V 10 X 1U
12	18.1	728	VA7Z2V 12 X 1U
14	19.0	795	VA7Z2V 14 X 1U
16	19.8	851	VA7Z2V 16 X 1U
18	20.6	917	VA7Z2V 18 X 1U
20	21.3	983	VA7Z2V 20 X 1U
21	21.7	1004	VA7Z2V 21 X 1U
24	22.7	1102	VA7Z2V 24 X 1U
25	23.0	1123	VA7Z2V 25 X 1U
27	23.6	1188	VA7Z2V 27 X 1U
30	25.3	1423	VA7Z2V 30 X 1U
34	26.4	1542	VA7Z2V 34 X 1U
37	27.2	1641	VA7Z2V 37 X 1U
40	28.0	1721	VA7Z2V 40 X 1U
50	30.4	1998	VA7Z2V 50 X 1U
61	32.7	2292	VA7Z2V 61 X 1U
80	37.3	3064	VA7Z2V 80 X 1U

for Unscreened VZ2V -- X 1U
 If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 1.5mm ² (1X1.38mm)			
Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	12.4	316	VA7Z2V 2 X 1.5U
3	12.9	348	VA7Z2V 3 X 1.5U
4	13.7	397	VA7Z2V 4 X 1.5U
5	15.4	544	VA7Z2V 5 X 1.5U
6	16.3	605	VA7Z2V 6 X 1.5U
7	16.3	618	VA7Z2V 7 X 1.5U
8	17.0	662	VA7Z2V 8 X 1.5U
10	18.2	755	VA7Z2V 10 X 1.5U
12	19.3	837	VA7Z2V 12 X 1.5U
14	20.3	918	VA7Z2V 14 X 1.5U
16	21.2	998	VA7Z2V 16 X 1.5U
18	22.0	1077	VA7Z2V 18 X 1.5U
20	22.8	1156	VA7Z2V 20 X 1.5U
21	23.2	1195	VA7Z2V 21 X 1.5U
24	25.1	1462	VA7Z2V 24 X 1.5U
25	25.5	1508	VA7Z2V 25 X 1.5U
27	26.2	1581	VA7Z2V 27 X 1.5U
30	27.2	1700	VA7Z2V 30 X 1.5U
34	28.4	1846	VA7Z2V 34 X 1.5U
37	29.3	1946	VA7Z2V 37 X 1.5U
40	30.2	2064	VA7Z2V 40 X 1.5U
50	32.8	2405	VA7Z2V 50 X 1.5U
61	35.4	2788	VA7Z2V 61 X 1.5U
80	40.3	3706	VA7Z2V 80 X 1.5U

for Unscreened VZ2V -- X 1.5U
 If Tinned Copper, add 'T' in code after the conductor size.

