



TEKAB



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MULTIPAIR PVC INSULATED SCREENED/UNSCREENED 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*
- **Pairing:** two insulated conductors twisted together to form a pair
- **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: 0.28mm² (1X0.6mm)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	4.6	27	VA7V 1 X 2 X 0.28U
2(1Q)	6.1	43	VA7V 1 X 4 X 0.28U
3	6.7	54	VA7V 3 X 2 X 0.28U
4	7.3	66	VA7V 4 X 2 X 0.28U
5	7.6	77	VA7V 5 X 2 X 0.28U
6	8.2	89	VA7V 6 X 2 X 0.28U
7	8.7	100	VA7V 7 X 2 X 0.28U
8	9.2	112	VA7V 8 X 2 X 0.28U
10	10.1	134	VA7V 10 X 2 X 0.28U
12	10.9	156	VA7V 12 X 2 X 0.28U
15	11.9	189	VA7V 15 X 2 X 0.28U
20	13.5	242	VA7V 20 X 2 X 0.28U
25	14.9	295	VA7V 25 X 2 X 0.28U
30	16.1	347	VA7V 30 X 2 X 0.28U
40	18.4	450	VA7V 40 X 2 X 0.28U
50	20.3	551	VA7V 50 X 2 X 0.28U

for Unscreened VV -- X 2 X 0.28U
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 0.5mm² (1X0.8mm)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	5.6	43	VA7V 1 X 2 X 0.5U
2(1Q)	7.9	72	VA7V 1 X 4 X 0.5U
3	8.8	93	VA7V 3 X 2 X 0.5U
4	9.6	114	VA7V 4 X 2 X 0.5U
5	10.1	133	VA7V 5 X 2 X 0.5U
6	10.9	154	VA7V 6 X 2 X 0.5U
7	11.6	175	VA7V 7 X 2 X 0.5U
8	12.3	195	VA7V 8 X 2 X 0.5U
10	13.5	236	VA7V 10 X 2 X 0.5U
12	14.6	276	VA7V 12 X 2 X 0.5U
15	16.2	336	VA7V 15 X 2 X 0.5U
20	18.4	434	VA7V 20 X 2 X 0.5U
25	20.4	530	VA7V 25 X 2 X 0.5U
30	22.1	626	VA7V 30 X 2 X 0.5U
40	25.3	817	VA7V 40 X 2 X 0.5U
50	28.0	1005	VA7V 50 X 2 X 0.5U

for Unscreened VV -- X 2 X 0.5U
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SOLID CONDUCTOR (Class 1)

Conductor: 1.0mm ² (1X1.13mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	7.0	65	VA7V 1 X 2 X 1U
2(1Q)	10.1	116	VA7V 1 X 4 X 1U
3	11.4	155	VA7V 3 X 2 X 1U
4	12.4	193	VA7V 4 X 2 X 1U
5	13.2	228	VA7V 5 X 2 X 1U
6	14.2	267	VA7V 6 X 2 X 1U
7	15.2	306	VA7V 7 X 2 X 1U
8	16.2	344	VA7V 8 X 2 X 1U
10	17.9	419	VA7V 10 X 2 X 1U
12	19.4	494	VA7V 12 X 2 X 1U
15	21.5	606	VA7V 15 X 2 X 1U
20	24.5	790	VA7V 20 X 2 X 1U
25	27.2	972	VA7V 25 X 2 X 1U
30	29.7	1153	VA7V 30 X 2 X 1U
40	34.0	1513	VA7V 40 X 2 X 1U
50	37.8	1871	VA7V 50 X 2 X 1U

for Unscreened VV -- X 2 X 1U
 If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 1.5mm ² (1X1.38mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	7.6	80	VA7V 1 X 2 X 1.5U
2(1Q)	11.0	144	VA7V 1 X 4 X 1.5U
3	12.4	196	VA7V 3 X 2 X 1.5U
4	13.6	246	VA7V 4 X 2 X 1.5U
5	14.4	294	VA7V 5 X 2 X 1.5U
6	15.6	345	VA7V 6 X 2 X 1.5U
7	16.7	396	VA7V 7 X 2 X 1.5U
8	17.7	446	VA7V 8 X 2 X 1.5U
10	19.6	547	VA7V 10 X 2 X 1.5U
12	21.3	647	VA7V 12 X 2 X 1.5U
15	23.6	795	VA7V 15 X 2 X 1.5U
20	27.0	1040	VA7V 20 X 2 X 1.5U
25	30.0	1284	VA7V 25 X 2 X 1.5U
30	32.7	1526	VA7V 30 X 2 X 1.5U
40	37.4	2008	VA7V 40 X 2 X 1.5U
50	41.7	2487	VA7V 50 X 2 X 1.5U

for Unscreened VV -- X 2 X 1.5U
 If Tinned Copper, add 'T' in code after the conductor size.

