



## MULTIPAIR 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 T11 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
- **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: 0.28mm <sup>2</sup> ( 1X0.6mm )			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	9.1	179	VA7Z2V 1 X 2 X 0.28U
2(10)	10.8	238	VA7Z2V 1 X 4 X 0.28U
3	11.5	267	VA7Z2V 3 X 2 X 0.28U
4	12.1	294	VA7Z2V 4 X 2 X 0.28U
5	12.5	314	VA7Z2V 5 X 2 X 0.28U
6	13.1	342	VA7Z2V 6 X 2 X 0.28U
7	13.6	370	VA7Z2V 7 X 2 X 0.28U
8	14.1	391	VA7Z2V 8 X 2 X 0.28U
10	15.9	537	VA7Z2V 10 X 2 X 0.28U
12	16.7	589	VA7Z2V 12 X 2 X 0.28U
15	17.8	654	VA7Z2V 15 X 2 X 0.28U
20	19.5	769	VA7Z2V 20 X 2 X 0.28U
25	21.0	870	VA7Z2V 25 X 2 X 0.28U
30	22.3	970	VA7Z2V 30 X 2 X 0.28U
40	25.5	1323	VA7Z2V 40 X 2 X 0.28U
50	27.6	1504	VA7Z2V 50 X 2 X 0.28U

**for Unscreened** VZ2V -- X 2 X 0.28U  
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 0.5mm <sup>2</sup> ( 1X0.8mm )			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	10.3	227	VA7Z2V 1 X 2 X 0.5U
2(10)	12.8	316	VA7Z2V 1 X 4 X 0.5U
3	13.7	363	VA7Z2V 3 X 2 X 0.5U
4	15.3	500	VA7Z2V 4 X 2 X 0.5U
5	15.9	535	VA7Z2V 5 X 2 X 0.5U
6	16.7	586	VA7Z2V 6 X 2 X 0.5U
7	17.5	626	VA7Z2V 7 X 2 X 0.5U
8	18.2	676	VA7Z2V 8 X 2 X 0.5U
10	19.5	763	VA7Z2V 10 X 2 X 0.5U
12	20.7	838	VA7Z2V 12 X 2 X 0.5U
15	22.4	959	VA7Z2V 15 X 2 X 0.5U
20	25.5	1307	VA7Z2V 20 X 2 X 0.5U
25	27.6	1484	VA7Z2V 25 X 2 X 0.5U
30	29.5	1676	VA7Z2V 30 X 2 X 0.5U
40	32.9	2003	VA7Z2V 40 X 2 X 0.5U
50	35.8	2325	VA7Z2V 50 X 2 X 0.5U

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

<b>Conductor: 1.0mm<sup>2</sup> ( 1X1.13mm )</b>			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	11.8	285	VA7Z2V 1 X 2 X 1U
2(1Q)	15.9	519	VA7Z2V 1 X 4 X 1U
3	17.3	604	VA7Z2V 3 X 2 X 1U
4	18.4	675	VA7Z2V 4 X 2 X 1U
5	19.2	740	VA7Z2V 5 X 2 X 1U
6	20.3	824	VA7Z2V 6 X 2 X 1U
7	21.4	896	VA7Z2V 7 X 2 X 1U
8	22.4	967	VA7Z2V 8 X 2 X 1U
10	25.0	1268	VA7Z2V 10 X 2 X 1U
12	26.6	1417	VA7Z2V 12 X 2 X 1U
15	28.8	1611	VA7Z2V 15 X 2 X 1U
20	32.1	1946	VA7Z2V 20 X 2 X 1U
25	34.9	2260	VA7Z2V 25 X 2 X 1U
30	38.4	2858	VA7Z2V 30 X 2 X 1U
40	43.0	3462	VA7Z2V 40 X 2 X 1U
50	47.1	4032	VA7Z2V 50 X 2 X 1U

<b>Conductor: 1.5mm<sup>2</sup> ( 1X1.38mm )</b>			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	12.4	316	VA7Z2V 1 X 2 X 1.5U
2(1Q)	16.9	579	VA7Z2V 1 X 4 X 1.5U
3	18.4	678	VA7Z2V 3 X 2 X 1.5U
4	19.6	774	VA7Z2V 4 X 2 X 1.5U
5	20.5	852	VA7Z2V 5 X 2 X 1.5U
6	21.7	950	VA7Z2V 6 X 2 X 1.5U
7	22.9	1037	VA7Z2V 7 X 2 X 1.5U
8	24.8	1293	VA7Z2V 8 X 2 X 1.5U
10	26.8	1472	VA7Z2V 10 X 2 X 1.5U
12	28.6	1649	VA7Z2V 12 X 2 X 1.5U
15	31.1	1902	VA7Z2V 15 X 2 X 1.5U
20	34.7	2324	VA7Z2V 20 X 2 X 1.5U
25	38.7	2994	VA7Z2V 25 X 2 X 1.5U
30	41.6	3395	VA7Z2V 30 X 2 X 1.5U
40	46.7	4163	VA7Z2V 40 X 2 X 1.5U
50	52.3	5395	VA7Z2V 50 X 2 X 1.5U

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**for Unscreened** VZ2V -- X 2 X 1.5U  
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