



TEKAB

INDIVIDUALLY SCREENED PVC INSULATED MULTIPAIR ARMoured CABLE 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
 - **Screen:** each pair individually screened with Alu/Pet foil + tinned copper drain wire
 - **Assembly:** in concentric layers
 - **Overall Screen:** (when required) Alu/Pet foil + 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** at 1kHz
of one pair: 250 pF/m
pair to screen: 400 pF/m
- **Conductor Resistance:** refer to technical section

Conductor: 0.28mm ² (1X0.6mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	11.5	269	VA8Z2V 2 X 2 X 0.28U
3	12.5	312	VA8Z2V 3 X 2 X 0.28U
4	13.4	355	VA8Z2V 4 X 2 X 0.28U
5	14.3	395	VA8Z2V 5 X 2 X 0.28U
6	15.9	534	VA8Z2V 6 X 2 X 0.28U
8	16.9	597	VA8Z2V 8 X 2 X 0.28U
10	18.9	700	VA8Z2V 10 X 2 X 0.28U
12	19.3	744	VA8Z2V 12 X 2 X 0.28U
15	20.9	855	VA8Z2V 15 X 2 X 0.28U
16	20.9	868	VA8Z2V 16 X 2 X 0.28U
20	22.4	980	VA8Z2V 20 X 2 X 0.28U
30	26.7	1435	VA8Z2V 30 X 2 X 0.28U
40	30.0	1742	VA8Z2V 40 X 2 X 0.28U
50	32.7	2006	VA8Z2V 50 X 2 X 0.28U

¶ Tinned Copper, add 'T' in code after the conductor size.

Conductor: 0.5mm ² (1X0.8mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	13.8	369	VA8Z2V 2 X 2 X 0.5U
3	16.0	537	VA8Z2V 3 X 2 X 0.5U
4	17.3	616	VA8Z2V 4 X 2 X 0.5U
5	18.5	697	VA8Z2V 5 X 2 X 0.5U
6	19.8	766	VA8Z2V 6 X 2 X 0.5U
8	21.2	874	VA8Z2V 8 X 2 X 0.5U
10	24.8	1215	VA8Z2V 10 X 2 X 0.5U
12	25.4	1296	VA8Z2V 12 X 2 X 0.5U
15	27.8	1493	VA8Z2V 15 X 2 X 0.5U
16	27.8	1519	VA8Z2V 16 X 2 X 0.5U
20	29.9	1721	VA8Z2V 20 X 2 X 0.5U
30	35.0	2260	VA8Z2V 30 X 2 X 0.5U
40	40.5	3095	VA8Z2V 40 X 2 X 0.5U
50	44.4	3602	VA8Z2V 50 X 2 X 0.5U

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Conductor: 1.0mm ² (1X1.13mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	16.6	563	VA8Z2V 2 X 2 X 1U
3	18.4	677	VA8Z2V 3 X 2 X 1U
4	20.0	790	VA8Z2V 4 X 2 X 1U
5	21.6	895	VA8Z2V 5 X 2 X 1U
6	23.2	1009	VA8Z2V 6 X 2 X 1U
8	25.7	1326	VA8Z2V 8 X 2 X 1U
10	29.4	1595	VA8Z2V 10 X 2 X 1U
12	30.2	1729	VA8Z2V 12 X 2 X 1U
15	33.2	2011	VA8Z2V 15 X 2 X 1U
16	33.2	2051	VA8Z2V 16 X 2 X 1U
20	36.7	2624	VA8Z2V 20 X 2 X 1U
30	43.2	3463	VA8Z2V 30 X 2 X 1U
40	50.2	4763	VA8Z2V 40 X 2 X 1U
50	55.1	5557	VA8Z2V 50 X 2 X 1U

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Conductor: 1.5mm ² (1X1.38mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	17.4	619	VA8Z2V 2 X 2 X 1.5U
3	19.4	759	VA8Z2V 3 X 2 X 1.5U
4	21.2	887	VA8Z2V 4 X 2 X 1.5U
5	22.9	1005	VA8Z2V 5 X 2 X 1.5U
6	24.6	1134	VA8Z2V 6 X 2 X 1.5U
8	27.3	1499	VA8Z2V 8 X 2 X 1.5U
10	31.3	1816	VA8Z2V 10 X 2 X 1.5U
12	32.1	1957	VA8Z2V 12 X 2 X 1.5U
15	35.4	2299	VA8Z2V 15 X 2 X 1.5U
16	35.4	2351	VA8Z2V 16 X 2 X 1.5U
20	39.2	3016	VA8Z2V 20 X 2 X 1.5U
30	46.3	4016	VA8Z2V 30 X 2 X 1.5U
40	53.7	5486	VA8Z2V 40 X 2 X 1.5U
50	59.1	6455	VA8Z2V 50 X 2 X 1.5U

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