



TEKAB



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INDIVIDUALLY SCREENED PVC INSULATED MULTIPAIR 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 is 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.
- **Jacket:** overall type TM1 to BS 7655*
- *** Optional:** 90°C / 105°C / FR / LSOH.

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	6.7	57	VA8V 2 X 2 X 0.28U
3	7.6	75	VA8V 3 X 2 X 0.28U
4	8.6	96	VA8V 4 X 2 X 0.28U
5	9.3	114	VA8V 5 X 2 X 0.28U
6	10.1	131	VA8V 6 X 2 X 0.28U
8	11.4	173	VA8V 8 X 2 X 0.28U
10	13.3	217	VA8V 10 X 2 X 0.28U
12	13.7	245	VA8V 12 X 2 X 0.28U
15	15.2	292	VA8V 15 X 2 X 0.28U
16	15.2	305	VA8V 16 X 2 X 0.28U
20	16.5	365	VA8V 20 X 2 X 0.28U
30	19.8	524	VA8V 30 X 2 X 0.28U
40	22.6	672	VA8V 40 X 2 X 0.28U
50	25.4	840	VA8V 50 X 2 X 0.28U

If 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	8.9	100	VA8V 2 X 2 X 0.5U
3	10.2	133	VA8V 3 X 2 X 0.5U
4	11.7	177	VA8V 4 X 2 X 0.5U
5	12.8	211	VA8V 5 X 2 X 0.5U
6	14.1	250	VA8V 6 X 2 X 0.5U
8	15.3	309	VA8V 8 X 2 X 0.5U
10	18.1	387	VA8V 10 X 2 X 0.5U
12	18.6	441	VA8V 12 X 2 X 0.5U
15	20.7	531	VA8V 15 X 2 X 0.5U
16	20.7	557	VA8V 16 X 2 X 0.5U
20	22.6	671	VA8V 20 X 2 X 0.5U
30	27.6	991	VA8V 30 X 2 X 0.5U
40	32.0	1301	VA8V 40 X 2 X 0.5U
50	35.6	1607	VA8V 50 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
2	11.1	152	VA8V 2 X 2 X 1U
3	12.7	203	VA8V 3 X 2 X 1U
4	14.4	261	VA8V 4 X 2 X 1U
5	15.7	313	VA8V 5 X 2 X 1U
6	17.1	362	VA8V 6 X 2 X 1U
8	18.9	464	VA8V 8 X 2 X 1U
10	22.1	568	VA8V 10 X 2 X 1U
12	22.8	654	VA8V 12 X 2 X 1U
15	25.8	818	VA8V 15 X 2 X 1U
16	25.8	858	VA8V 16 X 2 X 1U
20	28.4	1051	VA8V 20 X 2 X 1U
30	34.5	1539	VA8V 30 X 2 X 1U
40	40.1	2029	VA8V 40 X 2 X 1U
50	44.7	2512	VA8V 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	12.0	181	VA8V 2 X 2 X 1.5U
3	13.7	245	VA8V 3 X 2 X 1.5U
4	15.5	316	VA8V 4 X 2 X 1.5U
5	17.0	381	VA8V 5 X 2 X 1.5U
6	18.6	443	VA8V 6 X 2 X 1.5U
8	20.5	570	VA8V 8 X 2 X 1.5U
10	24.0	700	VA8V 10 X 2 X 1.5U
12	24.7	809	VA8V 12 X 2 X 1.5U
15	28.0	1013	VA8V 15 X 2 X 1.5U
16	28.0	1065	VA8V 16 X 2 X 1.5U
20	30.8	1307	VA8V 20 X 2 X 1.5U
30	37.6	1920	VA8V 30 X 2 X 1.5U
40	43.6	2535	VA8V 40 X 2 X 1.5U
50	48.7	3144	VA8V 50 X 2 X 1.5U

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