



TEKAB



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INDIVIDUALLY SCREENED PVC INSULATED MULTIPAIR CABLE SOLID AWG CONDUCTOR

DESCRIPTION

- **Conductor:** Annealed bare/tinned solid copper
- **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
- **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 - 1 min.
- 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: 22 AWG (1X0.643mm)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	6.8	60	VA8V 2 X 2 X 22AWGU
3	7.7	79	VA8V 3 X 2 X 22AWGU
4	8.8	101	VA8V 4 X 2 X 22AWGU
5	9.5	121	VA8V 5 X 2 X 22AWGU
6	10.8	149	VA8V 6 X 2 X 22AWGU
8	11.6	183	VA8V 8 X 2 X 22AWGU
10	13.7	229	VA8V 10 X 2 X 22AWGU
12	14.0	260	VA8V 12 X 2 X 22AWGU
15	15.5	311	VA8V 15 X 2 X 22AWGU
16	15.5	325	VA8V 16 X 2 X 22AWGU
20	16.9	389	VA8V 20 X 2 X 22AWGU
30	20.3	559	VA8V 30 X 2 X 22AWGU
40	23.3	718	VA8V 40 X 2 X 22AWGU
50	26.1	901	VA8V 50 X 2 X 22AWGU

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





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INDIVIDUALLY SCREENED PVC INSULATED MULTIPAIR CABLE STRANDED AWG CONDUCTOR

DESCRIPTION

- **Conductor:** Annealed bare/tinned stranded copper
- **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
- **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: 24 AWG (7X0.2mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	6.7	56	VA8V 2 X 2 X 24AWGK
3	7.6	72	VA8V 3 X 2 X 24AWGK
4	8.6	93	VA8V 4 X 2 X 24AWGK
5	9.3	110	VA8V 5 X 2 X 24AWGK
6	10.1	126	VA8V 6 X 2 X 24AWGK
8	11.4	167	VA8V 8 X 2 X 24AWGK
10	13.3	209	VA8V 10 X 2 X 24AWGK
12	13.7	235	VA8V 12 X 2 X 24AWGK
15	15.2	281	VA8V 15 X 2 X 24AWGK
16	15.2	293	VA8V 16 X 2 X 24AWGK
20	16.5	349	VA8V 20 X 2 X 24AWGK
30	19.8	500	VA8V 30 X 2 X 24AWGK
40	22.6	641	VA8V 40 X 2 X 24AWGK
50	25.4	801	VA8V 50 X 2 X 24AWGK

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

Conductor: 22 AWG (7X0.25mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	7.2	73	VA8V 2 X 2 X 22AWGK
3	8.4	100	VA8V 3 X 2 X 22AWGK
4	9.2	123	VA8V 4 X 2 X 22AWGK
5	10.1	147	VA8V 5 X 2 X 22AWGK
6	11.4	181	VA8V 6 X 2 X 22AWGK
8	12.3	223	VA8V 8 X 2 X 22AWGK
10	14.5	279	VA8V 10 X 2 X 22AWGK
12	14.9	318	VA8V 12 X 2 X 22AWGK
15	16.5	382	VA8V 15 X 2 X 22AWGK
16	16.5	400	VA8V 16 X 2 X 22AWGK
20	18.1	490	VA8V 20 X 2 X 22AWGK
30	21.6	694	VA8V 30 X 2 X 22AWGK
40	25.1	918	VA8V 40 X 2 X 22AWGK
50	28.0	1131	VA8V 50 X 2 X 22AWGK

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

INDIVIDUALLY SCREENED PVC INSULATED MULTIPAIR CABLE STRANDED AWG CONDUCTOR

Conductor: 20 AWG (10X0.25mm)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	8.9	100	VA8V 2 X 2 X 20AWGK
3	10.1	132	VA8V 3 X 2 X 20AWGK
4	11.7	175	VA8V 4 X 2 X 20AWGK
5	12.8	209	VA8V 5 X 2 X 20AWGK
6	14.1	248	VA8V 6 X 2 X 20AWGK
8	15.3	307	VA8V 8 X 2 X 20AWGK
10	18.0	384	VA8V 10 X 2 X 20AWGK
12	18.6	438	VA8V 12 X 2 X 20AWGK
15	20.6	528	VA8V 15 X 2 X 20AWGK
16	20.6	553	VA8V 16 X 2 X 20AWGK
20	22.5	666	VA8V 20 X 2 X 20AWGK
30	27.6	984	VA8V 30 X 2 X 20AWGK
40	31.9	1293	VA8V 40 X 2 X 20AWGK
50	35.6	1597	VA8V 50 X 2 X 20AWGK

Conductor: 18 AWG (16X0.25mm)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	11.2	146	VA8V 2 X 2 X 18AWGK
3	12.8	194	VA8V 3 X 2 X 18AWGK
4	14.4	249	VA8V 4 X 2 X 18AWGK
5	15.8	298	VA8V 5 X 2 X 18AWGK
6	17.3	344	VA8V 6 X 2 X 18AWGK
8	19.0	439	VA8V 8 X 2 X 18AWGK
10	22.2	538	VA8V 10 X 2 X 18AWGK
12	22.9	617	VA8V 12 X 2 X 18AWGK
15	26.0	773	VA8V 15 X 2 X 18AWGK
16	26.0	810	VA8V 16 X 2 X 18AWGK
20	28.6	990	VA8V 20 X 2 X 18AWGK
30	34.8	1447	VA8V 30 X 2 X 18AWGK
40	40.4	1907	VA8V 40 X 2 X 18AWGK
50	45.1	2360	VA8V 50 X 2 X 18AWGK

Conductor: 16 AWG (26X0.25mm)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	13.3	200	VA8V 2 X 2 X 16AWGK
3	15.3	269	VA8V 3 X 2 X 16AWGK
4	17.0	336	VA8V 4 X 2 X 16AWGK
5	18.9	414	VA8V 5 X 2 X 16AWGK
6	20.7	480	VA8V 6 X 2 X 16AWGK
8	22.5	603	VA8V 8 X 2 X 16AWGK
10	27.0	773	VA8V 10 X 2 X 16AWGK
12	27.9	892	VA8V 12 X 2 X 16AWGK
15	31.4	1100	VA8V 15 X 2 X 16AWGK
16	31.4	1158	VA8V 16 X 2 X 16AWGK
20	34.5	1419	VA8V 20 X 2 X 16AWGK
30	42.1	2082	VA8V 30 X 2 X 16AWGK
40	49.0	2749	VA8V 40 X 2 X 16AWGK
50	54.7	3408	VA8V 50 X 2 X 16AWGK

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

