



TEKAB



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MULTIPAIR PVC INSULATED SCREENED/UNSCREENED CABLES SOLID AWG CONDUCTOR

DESCRIPTION

- **Conductor:** Annealed bare/tinned solid copper
- **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
- **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: 25M Ω .km
- Max. **Mutual Capacitance** of adjacent cores at 1kHz: 250 pF/m
- **Conductor Resistance:** refer to technical section

Conductor: 24 AWG (1X0.515mm)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	4.2	23	VA7V 1 X 2 X 24AWGU
2(1Q)	5.5	35	VA7V 1 X 4 X 24AWGU
3	6.0	44	VA7V 3 X 2 X 24AWGU
4	6.5	53	VA7V 4 X 2 X 24AWGU
5	6.8	61	VA7V 5 X 2 X 24AWGU
6	7.3	70	VA7V 6 X 2 X 24AWGU
7	7.7	79	VA7V 7 X 2 X 24AWGU
8	8.1	88	VA7V 8 X 2 X 24AWGU
10	8.9	105	VA7V 10 X 2 X 24AWGU
12	9.6	122	VA7V 12 X 2 X 24AWGU
15	10.5	147	VA7V 15 X 2 X 24AWGU
20	11.8	187	VA7V 20 X 2 X 24AWGU
25	13.0	227	VA7V 25 X 2 X 24AWGU
30	14.1	267	VA7V 30 X 2 X 24AWGU
40	16.0	344	VA7V 40 X 2 X 24AWGU
50	17.7	421	VA7V 50 X 2 X 24AWGU

for Unscreened VV -- X 2 X 24AWGU
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 22 AWG (1X0.643mm)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	4.7	29	VA7V 1 X 2 X 22AWGU
2(1Q)	6.2	46	VA7V 1 X 4 X 22AWGU
3	6.9	58	VA7V 3 X 2 X 22AWGU
4	7.5	71	VA7V 4 X 2 X 22AWGU
5	7.8	83	VA7V 5 X 2 X 22AWGU
6	8.4	96	VA7V 6 X 2 X 22AWGU
7	9.0	108	VA7V 7 X 2 X 22AWGU
8	9.5	121	VA7V 8 X 2 X 22AWGU
10	10.4	146	VA7V 10 X 2 X 22AWGU
12	11.2	170	VA7V 12 X 2 X 22AWGU
15	12.3	206	VA7V 15 X 2 X 22AWGU
20	13.9	264	VA7V 20 X 2 X 22AWGU
25	15.4	322	VA7V 25 X 2 X 22AWGU
30	16.7	380	VA7V 30 X 2 X 22AWGU
40	19.0	493	VA7V 40 X 2 X 22AWGU
50	21.0	605	VA7V 50 X 2 X 22AWGU

for Unscreened VV -- X 2 X 22AWGU
If Tinned Copper, add 'T' in code after the conductor size.

**MULTIPAIR PVC INSULATED SCREENED/UNSCREENED CABLES
SOLID AWG CONDUCTOR**

Conductor: 20 AWG (1X0.813mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	5.7	44	VA7V 1 X 2 X 20AWGU
2(1Q)	7.9	73	VA7V 1 X 4 X 20AWGU
3	8.8	94	VA7V 3 X 2 X 20AWGU
4	9.6	115	VA7V 4 X 2 X 20AWGU
5	10.1	135	VA7V 5 X 2 X 20AWGU
6	10.9	156	VA7V 6 X 2 X 20AWGU
7	11.7	178	VA7V 7 X 2 X 20AWGU
8	12.4	199	VA7V 8 X 2 X 20AWGU
10	13.6	240	VA7V 10 X 2 X 20AWGU
12	14.7	281	VA7V 12 X 2 X 20AWGU
15	16.3	342	VA7V 15 X 2 X 20AWGU
20	18.5	442	VA7V 20 X 2 X 20AWGU
25	20.5	541	VA7V 25 X 2 X 20AWGU
30	22.3	639	VA7V 30 X 2 X 20AWGU
40	25.4	833	VA7V 40 X 2 X 20AWGU
50	28.2	1026	VA7V 50 X 2 X 20AWGU
for Unscreened			VV -- X 2 X 20AWGU

Conductor: 18 AWG (1X1.02mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	6.7	59	VA7V 1 X 2 X 18AWGU
2(1Q)	9.8	104	VA7V 1 X 4 X 18AWGU
3	10.9	139	VA7V 3 X 2 X 18AWGU
4	11.9	172	VA7V 4 X 2 X 18AWGU
5	12.6	203	VA7V 5 X 2 X 18AWGU
6	13.7	237	VA7V 6 X 2 X 18AWGU
7	14.6	270	VA7V 7 X 2 X 18AWGU
8	15.5	304	VA7V 8 X 2 X 18AWGU
10	17.1	370	VA7V 10 X 2 X 18AWGU
12	18.6	435	VA7V 12 X 2 X 18AWGU
15	20.6	532	VA7V 15 X 2 X 18AWGU
20	23.5	692	VA7V 20 X 2 X 18AWGU
25	26.0	850	VA7V 25 X 2 X 18AWGU
30	28.4	1008	VA7V 30 X 2 X 18AWGU
40	32.5	1320	VA7V 40 X 2 X 18AWGU
50	36.1	1631	VA7V 50 X 2 X 18AWGU
for Unscreened			VV -- X 2 X 18AWGU

Conductor: 16 AWG (1X1.29mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	7.4	74	VA7V 1 X 2 X 16AWGU
2(1Q)	10.7	134	VA7V 1 X 4 X 16AWGU
3	12.1	180	VA7V 3 X 2 X 16AWGU
4	13.2	226	VA7V 4 X 2 X 16AWGU
5	13.9	269	VA7V 5 X 2 X 16AWGU
6	15.1	316	VA7V 6 X 2 X 16AWGU
7	16.2	362	VA7V 7 X 2 X 16AWGU
8	17.2	408	VA7V 8 X 2 X 16AWGU
10	19.0	499	VA7V 10 X 2 X 16AWGU
12	20.6	589	VA7V 12 X 2 X 16AWGU
15	22.9	723	VA7V 15 X 2 X 16AWGU
20	26.1	945	VA7V 20 X 2 X 16AWGU
25	29.0	1166	VA7V 25 X 2 X 16AWGU
30	31.6	1385	VA7V 30 X 2 X 16AWGU
40	36.2	1820	VA7V 40 X 2 X 16AWGU
50	40.3	2254	VA7V 50 X 2 X 16AWGU
for Unscreened			VV -- X 2 X 16AWGU
If Tinned Copper, add 'T' in code after the conductor size.			

Conductor: 14 AWG (1X1.63mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	8.1	96	VA7V 1 X 2 X 14AWGU
2(1Q)	11.9	177	VA7V 1 X 4 X 14AWGU
3	13.5	243	VA7V 3 X 2 X 14AWGU
4	14.7	307	VA7V 4 X 2 X 14AWGU
5	15.6	369	VA7V 5 X 2 X 14AWGU
6	16.9	435	VA7V 6 X 2 X 14AWGU
7	18.1	500	VA7V 7 X 2 X 14AWGU
8	19.3	565	VA7V 8 X 2 X 14AWGU
10	21.3	694	VA7V 10 X 2 X 14AWGU
12	23.2	823	VA7V 12 X 2 X 14AWGU
15	25.7	1014	VA7V 15 X 2 X 14AWGU
20	29.4	1331	VA7V 20 X 2 X 14AWGU
25	32.7	1645	VA7V 25 X 2 X 14AWGU
30	35.7	1959	VA7V 30 X 2 X 14AWGU
40	40.9	2583	VA7V 40 X 2 X 14AWGU
50	45.5	3204	VA7V 50 X 2 X 14AWGU
for Unscreened			VV -- X 2 X 14AWGU
If Tinned Copper, add 'T' in code after the conductor size.			





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MULTIPAIR PVC INSULATED SCREENED/UNSCREENED CABLES STRANDED AWG CONDUCTOR

DESCRIPTION

- **Conductor:** Annealed bare/tinned stranded copper
- **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
- **Jacket:** overall PVC 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** of adjacent cores at 1kHz: 250 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
1	4.4	25	VA7V 1 X 2 X 24AWGK
2(1Q)	5.8	38	VA7V 1 X 4 X 24AWGK
3	6.3	48	VA7V 3 X 2 X 24AWGK
4	6.8	57	VA7V 4 X 2 X 24AWGK
5	7.1	66	VA7V 5 X 2 X 24AWGK
6	7.7	76	VA7V 6 X 2 X 24AWGK
7	8.1	85	VA7V 7 X 2 X 24AWGK
8	8.6	95	VA7V 8 X 2 X 24AWGK
10	9.4	113	VA7V 10 X 2 X 24AWGK
12	10.1	132	VA7V 12 X 2 X 24AWGK
15	11.1	158	VA7V 15 X 2 X 24AWGK
20	12.5	202	VA7V 20 X 2 X 24AWGK
25	13.8	246	VA7V 25 X 2 X 24AWGK
30	14.9	288	VA7V 30 X 2 X 24AWGK
40	17.0	373	VA7V 40 X 2 X 24AWGK
50	18.8	456	VA7V 50 X 2 X 24AWGK

for Unscreened VV -- 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
1	4.9	31	VA7V 1 X 2 X 22AWGK
2(1Q)	6.6	50	VA7V 1 X 4 X 22AWGK
3	7.4	65	VA7V 3 X 2 X 22AWGK
4	8.0	79	VA7V 4 X 2 X 22AWGK
5	8.4	92	VA7V 5 X 2 X 22AWGK
6	9.0	106	VA7V 6 X 2 X 22AWGK
7	9.6	120	VA7V 7 X 2 X 22AWGK
8	10.2	134	VA7V 8 X 2 X 22AWGK
10	11.2	162	VA7V 10 X 2 X 22AWGK
12	12.0	189	VA7V 12 X 2 X 22AWGK
15	13.3	229	VA7V 15 X 2 X 22AWGK
20	15.0	295	VA7V 20 X 2 X 22AWGK
25	16.6	360	VA7V 25 X 2 X 22AWGK
30	18.0	424	VA7V 30 X 2 X 22AWGK
40	20.5	551	VA7V 40 X 2 X 22AWGK
50	22.7	677	VA7V 50 X 2 X 22AWGK

for Unscreened VV -- X 2 X 22AWGK
If Tinned Copper, add 'T' in code after the conductor size.



**MULTIPAIR PVC INSULATED SCREENED/UNSCREENED CABLES
STRANDED AWG CONDUCTOR**

Conductor: 20 AWG (10X0.25mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	5.8	45	VA7V 1 X 2 X 20AWGK
2(1Q)	8.3	76	VA7V 1 X 4 X 20AWGK
3	9.2	98	VA7V 3 X 2 X 20AWGK
4	10.0	120	VA7V 4 X 2 X 20AWGK
5	10.6	140	VA7V 5 X 2 X 20AWGK
6	11.4	162	VA7V 6 X 2 X 20AWGK
7	12.2	184	VA7V 7 X 2 X 20AWGK
8	12.9	206	VA7V 8 X 2 X 20AWGK
10	14.2	249	VA7V 10 X 2 X 20AWGK
12	15.4	292	VA7V 12 X 2 X 20AWGK
15	17.1	355	VA7V 15 X 2 X 20AWGK
20	19.4	458	VA7V 20 X 2 X 20AWGK
25	21.5	561	VA7V 25 X 2 X 20AWGK
30	23.4	663	VA7V 30 X 2 X 20AWGK
40	26.7	864	VA7V 40 X 2 X 20AWGK
50	29.7	1064	VA7V 50 X 2 X 20AWGK
for Unscreened			VV -- X 2 X 20AWGK

Conductor: 18 AWG (16X0.25mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	7.0	62	VA7V 1 X 2 X 18AWGK
2(1Q)	10.2	109	VA7V 1 X 4 X 18AWGK
3	11.5	145	VA7V 3 X 2 X 18AWGK
4	12.5	180	VA7V 4 X 2 X 18AWGK
5	13.2	212	VA7V 5 X 2 X 18AWGK
6	14.3	248	VA7V 6 X 2 X 18AWGK
7	15.3	283	VA7V 7 X 2 X 18AWGK
8	16.3	318	VA7V 8 X 2 X 18AWGK
10	18.0	387	VA7V 10 X 2 X 18AWGK
12	19.5	455	VA7V 12 X 2 X 18AWGK
15	21.6	557	VA7V 15 X 2 X 18AWGK
20	24.7	725	VA7V 20 X 2 X 18AWGK
25	27.4	891	VA7V 25 X 2 X 18AWGK
30	29.8	1055	VA7V 30 X 2 X 18AWGK
40	34.2	1383	VA7V 40 X 2 X 18AWGK
50	38.0	1708	VA7V 50 X 2 X 18AWGK
for Unscreened			VV -- X 2 X 18AWGK

Conductor: 16 AWG (26X0.25mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	7.7	78	VA7V 1 X 2 X 16AWGK
2(1Q)	11.3	141	VA7V 1 X 4 X 16AWGK
3	12.8	191	VA7V 3 X 2 X 16AWGK
4	14.0	239	VA7V 4 X 2 X 16AWGK
5	14.8	284	VA7V 5 X 2 X 16AWGK
6	16.0	334	VA7V 6 X 2 X 16AWGK
7	17.1	383	VA7V 7 X 2 X 16AWGK
8	18.2	431	VA7V 8 X 2 X 16AWGK
10	20.2	528	VA7V 10 X 2 X 16AWGK
12	21.9	623	VA7V 12 X 2 X 16AWGK
15	24.3	765	VA7V 15 X 2 X 16AWGK
20	27.8	1000	VA7V 20 X 2 X 16AWGK
25	30.8	1233	VA7V 25 X 2 X 16AWGK
30	33.6	1465	VA7V 30 X 2 X 16AWGK
40	38.5	1926	VA7V 40 X 2 X 16AWGK
50	42.9	2384	VA7V 50 X 2 X 16AWGK
for Unscreened			VV -- X 2 X 16AWGK
If Tinned Copper, add 'T' in code after the conductor size.			

Conductor: 14 AWG (41X0.25mm)			
Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	8.6	101	VA7V 1 X 2 X 14AWGK
2(1Q)	12.7	186	VA7V 1 X 4 X 14AWGK
3	14.3	255	VA7V 3 X 2 X 14AWGK
4	15.7	323	VA7V 4 X 2 X 14AWGK
5	16.6	387	VA7V 5 X 2 X 14AWGK
6	18.0	456	VA7V 6 X 2 X 14AWGK
7	19.3	524	VA7V 7 X 2 X 14AWGK
8	20.5	592	VA7V 8 X 2 X 14AWGK
10	22.7	728	VA7V 10 X 2 X 14AWGK
12	24.7	862	VA7V 12 X 2 X 14AWGK
15	27.4	1062	VA7V 15 X 2 X 14AWGK
20	31.4	1394	VA7V 20 X 2 X 14AWGK
25	34.9	1723	VA7V 25 X 2 X 14AWGK
30	38.1	2051	VA7V 30 X 2 X 14AWGK
40	43.7	2704	VA7V 40 X 2 X 14AWGK
50	48.6	3354	VA7V 50 X 2 X 14AWGK
for Unscreened			VV -- X 2 X 14AWGK
If Tinned Copper, add 'T' in code after the conductor size.			

