MULTICORE PVC INSULATED SCREENED/UNSCREENED ARMOURED CABLES
FLEXIBLE CONDUCTOR (Class 5)

DESCRIPTION

- **Conductor**: Annealed bare/tinned flexible copper class 5 to IEC 60228 & BS 6360
- **Insulation**: PVC type TI1 to BS 7655*
- **Identification**: numbered cores or coloured
- **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: 0.5mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	11.3	262	VA7Z2V 2 X 0.5K
3	11.7	282	VA7Z2V 3 X 0.5K
4	12.3	312	VA7Z2V 4 X 0.5K
5	13.1	346	VA7Z2V 5 X 0.5K
6	13.8	381	VA7Z2V 6 X 0.5K
7	13.8	386	VA7Z2V 7 X 0.5K
8	15.2	503	VA7Z2V 8 X 0.5K
10	16.2	570	VA7Z2V 10 X 0.5K
12	17.1	615	VA7Z2V 12 X 0.5K
14	17.9	670	VA7Z2V 14 X 0.5K
16	18.6	724	VA7Z2V 16 X 0.5K
18	19.3	767	VA7Z2V 18 X 0.5K
20	20.0	820	VA7Z2V 20 X 0.5K
21	20.3	847	VA7Z2V 21 X 0.5K
24	21.2	915	VA7Z2V 24 X 0.5K
25	21.5	931	VA7Z2V 25 X 0.5K
27	22.1	972	VA7Z2V 27 X 0.5K
30	22.9	1039	VA7Z2V 30 X 0.5K
34	23.9	1121	VA7Z2V 34 X 0.5K
37	25.4	1354	VA7Z2V 37 X 0.5K
40	26.1	1416	VA7Z2V 40 X 0.5K
50	28.3	1633	VA7Z2V 50 X 0.5K
61	30.4	1844	VA7Z2V 61 X 0.5K
80	33.7	2219	VA7Z2V 80 X 0.5K

for Unscreened VZ2V -- X 0.5K
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 0.75mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	11.8	281	VA7Z2V 2 X 0.75K
3	12.2	305	VA7Z2V 3 X 0.75K
4	12.9	339	VA7Z2V 4 X 0.75K
5	13.7	384	VA7Z2V 5 X 0.75K
6	15.4	522	VA7Z2V 6 X 0.75K
7	15.4	528	VA7Z2V 7 X 0.75K
8	16.0	563	VA7Z2V 8 X 0.75K
10	17.1	628	VA7Z2V 10 X 0.75K
12	18.0	703	VA7Z2V 12 X 0.75K
14	18.9	766	VA7Z2V 14 X 0.75K
16	19.7	817	VA7Z2V 16 X 0.75K
18	20.5	879	VA7Z2V 18 X 0.75K
20	21.2	940	VA7Z2V 20 X 0.75K
21	21.6	960	VA7Z2V 21 X 0.75K
24	22.6	1051	VA7Z2V 24 X 0.75K
25	22.9	1071	VA7Z2V 25 X 0.75K
27	23.6	1131	VA7Z2V 27 X 0.75K
30	25.2	1360	VA7Z2V 30 X 0.75K
34	26.4	1471	VA7Z2V 34 X 0.75K
37	27.2	1563	VA7Z2V 37 X 0.75K
40	27.9	1637	VA7Z2V 40 X 0.75K
50	30.3	1893	VA7Z2V 50 X 0.75K
61	32.7	2164	VA7Z2V 61 X 0.75K
80	37.1	2897	VA7Z2V 80 X 0.75K

for Unscreened VZ2V -- X 0.75K
If Tinned Copper, add 'T' in code after the conductor size.

MULTICORE PVC INSULATED SCREENED/UNSCREENED ARMOURED CABLES

FLEXIBLE CONDUCTOR (Class 5)

Conductor: 1.0mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	12.2	298	VA7Z2V 2 X 1K
3	12.7	332	VA7Z2V 3 X 1K
4	13.4	370	VA7Z2V 4 X 1K
5	15.1	506	VA7Z2V 5 X 1K
6	16.0	562	VA7Z2V 6 X 1K
7	16.0	571	VA7Z2V 7 X 1K
8	16.7	620	VA7Z2V 8 X 1K
10	17.8	693	VA7Z2V 10 X 1K
12	18.9	765	VA7Z2V 12 X 1K
14	19.8	836	VA7Z2V 14 X 1K
16	20.7	906	VA7Z2V 16 X 1K
18	21.5	976	VA7Z2V 18 X 1K
20	22.3	1045	VA7Z2V 20 X 1K
21	22.7	1079	VA7Z2V 21 X 1K
24	23.8	1171	VA7Z2V 24 X 1K
25	24.9	1365	VA7Z2V 25 X 1K
27	25.6	1429	VA7Z2V 27 X 1K
30	26.5	1533	VA7Z2V 30 X 1K
34	27.7	1660	VA7Z2V 34 X 1K
37	28.6	1746	VA7Z2V 37 X 1K
40	29.4	1848	VA7Z2V 40 X 1K
50	32.0	2142	VA7Z2V 50 X 1K
61	34.5	2454	VA7Z2V 61 X 1K
80	39.3	3288	VA7Z2V 80 X 1K

for Unscreened VZ2V -- X 1K

Conductor: 1.5mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	12.9	330	VA7Z2V 2 X 1.5K
3	13.4	370	VA7Z2V 3 X 1.5K
4	14.2	415	VA7Z2V 4 X 1.5K
5	16.0	571	VA7Z2V 5 X 1.5K
6	17.0	635	VA7Z2V 6 X 1.5K
7	17.0	648	VA7Z2V 7 X 1.5K
8	17.7	704	VA7Z2V 8 X 1.5K
10	19.0	802	VA7Z2V 10 X 1.5K
12	20.2	888	VA7Z2V 12 X 1.5K
14	21.2	984	VA7Z2V 14 X 1.5K
16	22.2	1068	VA7Z2V 16 X 1.5K
18	23.1	1151	VA7Z2V 18 X 1.5K
20	24.8	1394	VA7Z2V 20 X 1.5K
21	25.2	1424	VA7Z2V 21 X 1.5K
24	26.4	1550	VA7Z2V 24 X 1.5K
25	26.8	1598	VA7Z2V 25 X 1.5K
27	27.5	1676	VA7Z2V 27 X 1.5K
30	28.6	1800	VA7Z2V 30 X 1.5K
34	29.9	1954	VA7Z2V 34 X 1.5K
37	30.9	2077	VA7Z2V 37 X 1.5K
40	31.8	2200	VA7Z2V 40 X 1.5K
50	34.6	2560	VA7Z2V 50 X 1.5K
61	38.3	3241	VA7Z2V 61 X 1.5K
80	42.6	3945	VA7Z2V 80 X 1.5K

for Unscreened VZ2V -- X1.5K

Conductor: 2.5mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	14.0	392	VA7Z2V 2 X 2.5K
3	15.4	537	VA7Z2V 3 X 2.5K
4	16.3	606	VA7Z2V 4 X 2.5K
5	17.4	686	VA7Z2V 5 X 2.5K
6	18.6	778	VA7Z2V 6 X 2.5K
7	18.6	799	VA7Z2V 7 X 2.5K
8	19.5	870	VA7Z2V 8 X 2.5K
10	21.0	996	VA7Z2V 10 X 2.5K
12	22.3	1120	VA7Z2V 12 X 2.5K
14	23.6	1243	VA7Z2V 14 X 2.5K
16	25.5	1522	VA7Z2V 16 X 2.5K
18	26.5	1647	VA7Z2V 18 X 2.5K
20	27.6	1753	VA7Z2V 20 X 2.5K
21	28.0	1815	VA7Z2V 21 X 2.5K
24	29.4	2000	VA7Z2V 24 X 2.5K
25	29.9	2043	VA7Z2V 25 X 2.5K
27	30.8	2166	VA7Z2V 27 X 2.5K
30	32.0	2331	VA7Z2V 30 X 2.5K
34	33.6	2556	VA7Z2V 34 X 2.5K
37	34.7	2702	VA7Z2V 37 X 2.5K
40	35.7	2865	VA7Z2V 40 X 2.5K
50	39.9	3702	VA7Z2V 50 X 2.5K
61	43.2	4275	VA7Z2V 61 X 2.5K
80	49.3	5739	VA7Z2V 80 X 2.5K

for Unscreened VZ2V -- X 2.5K
If Tinned Copper, add 'T' in code after the conductor size.

Conductor: 4.0mm² - Class 5 (Flexible)

Number of Cores	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	18.0	649	VA7Z2V 2 X 4K
3	18.9	744	VA7Z2V 3 X 4K
4	20.2	861	VA7Z2V 4 X 4K
5	21.8	985	VA7Z2V 5 X 4K
6	23.4	1112	VA7Z2V 6 X 4K
7	23.4	1166	VA7Z2V 7 X 4K
8	24.7	1288	VA7Z2V 8 X 4K
10	26.9	1611	VA7Z2V 10 X 4K
12	28.7	1821	VA7Z2V 12 X 4K
14	30.4	2031	VA7Z2V 14 X 4K
16	31.9	2240	VA7Z2V 16 X 4K
18	33.4	2427	VA7Z2V 18 X 4K
20	34.7	2613	VA7Z2V 20 X 4K
21	35.4	2706	VA7Z2V 21 X 4K
24	37.3	2984	VA7Z2V 24 X 4K
25	38.1	3301	VA7Z2V 25 X 4K
27	39.2	3471	VA7Z2V 27 X 4K
30	40.9	3776	VA7Z2V 30 X 4K
34	43.0	4115	VA7Z2V 34 X 4K
37	44.5	4385	VA7Z2V 37 X 4K
40	45.9	4656	VA7Z2V 40 X 4K
50	50.6	4938	VA7Z2V 50 X 4K
61	54.9	6866	VA7Z2V 61 X 4K
80	61.4	8470	VA7Z2V 80 X 4K

for Unscreened VZ2V -- X 4K
If Tinned Copper, add 'T' in code after the conductor size.