



TEKAB



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## MULTIPAIR PE INSULATED SCREENED/UNSCREENED ARMoured CABLES SOLID CONDUCTOR (Class 1)

### DESCRIPTION

- **Conductor:** Annealed bare/tinned solid copper class 1 to IEC 60228 & BS 6360
- **Insulation:** PE type L/MD to BS 7878
- **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
- **Bedding:** extruded PVC type TM1
- **Armouring:** galvanized steel wire(GSW)
- **Jacket:** overall PVC type TM1 to BS 7655

**SPECIFICATION:** Generally to BS 5308 part 1

### CHARACTERISTICS

- Test Voltage: 1000Vac - 1min.
- Rated Voltage: 300/500 V
- Rated Temperature: 70°C
- Min. **Insulation Resistance** at 20°C: 5GΩ.km
- Max. **Mutual Capacitance** at 1kHz, pF/m

Size mm <sup>2</sup>	0.50	0.75	1.00	1.50
Without screen	75	75	75	85
Screened 1&2 pair	115	115	115	115
Screened > 2 pair	75	75	75	85

- **Conductor Resistance:** refer to technical section

### Conductor: 0.5mm<sup>2</sup> ( 1X0.8mm )

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	10.3	225	EA7Z2V 1 X 2 X 0.5U
2(1Q)	12.8	312	EA7Z2V 1 X 4 X 0.5U
3	13.7	357	EA7Z2V 3 X 2 X 0.5U
4	15.3	492	EA7Z2V 4 X 2 X 0.5U
5	15.9	525	EA7Z2V 5 X 2 X 0.5U
6	16.7	574	EA7Z2V 6 X 2 X 0.5U
7	17.5	612	EA7Z2V 7 X 2 X 0.5U
8	18.2	659	EA7Z2V 8 X 2 X 0.5U
10	19.5	742	EA7Z2V 10 X 2 X 0.5U
12	20.7	813	EA7Z2V 12 X 2 X 0.5U
15	22.4	928	EA7Z2V 15 X 2 X 0.5U
20	25.5	1266	EA7Z2V 20 X 2 X 0.5U
25	27.6	1433	EA7Z2V 25 X 2 X 0.5U
30	29.5	1615	EA7Z2V 30 X 2 X 0.5U
40	32.9	1921	EA7Z2V 40 X 2 X 0.5U
50	35.8	2223	EA7Z2V 50 X 2 X 0.5U

**for Unscreened** EZ2V -- X 2 X 0.5U  
If Tinned Copper, add 'T' in the code after conductor size.

### Conductor: 1.0mm<sup>2</sup> ( 1X1.13mm )

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	11.8	281	EA7Z2V 1 X 2 X 1U
2(1Q)	15.9	512	EA7Z2V 1 X 4 X 1U
3	17.3	593	EA7Z2V 3 X 2 X 1U
4	18.4	660	EA7Z2V 4 X 2 X 1U
5	19.2	721	EA7Z2V 5 X 2 X 1U
6	20.3	802	EA7Z2V 6 X 2 X 1U
7	21.4	870	EA7Z2V 7 X 2 X 1U
8	22.4	937	EA7Z2V 8 X 2 X 1U
10	25.0	1230	EA7Z2V 10 X 2 X 1U
12	26.6	1372	EA7Z2V 12 X 2 X 1U
15	28.8	1554	EA7Z2V 15 X 2 X 1U
20	32.1	1871	EA7Z2V 20 X 2 X 1U
25	34.9	2166	EA7Z2V 25 X 2 X 1U
30	38.4	2745	EA7Z2V 30 X 2 X 1U
40	43.0	3311	EA7Z2V 40 X 2 X 1U
50	47.1	3844	EA7Z2V 50 X 2 X 1U

**for Unscreened** EZ2V -- X 2 X 1U  
If Tinned Copper, add 'T' in the code after conductor size.