



TEKAB



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## MULTIPAIR PE INSULATED SCREENED/UNSCREENED 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
- **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	5.6	41	EA7V 1 X 2 X 0.5U
2(1Q)	7.9	68	EA7V 1 X 4 X 0.5U
3	8.8	87	EA7V 3 X 2 X 0.5U
4	9.6	105	EA7V 4 X 2 X 0.5U
5	10.1	122	EA7V 5 X 2 X 0.5U
6	10.9	142	EA7V 6 X 2 X 0.5U
7	11.6	160	EA7V 7 X 2 X 0.5U
8	12.3	179	EA7V 8 X 2 X 0.5U
10	13.5	215	EA7V 10 X 2 X 0.5U
12	14.6	252	EA7V 12 X 2 X 0.5U
15	16.2	305	EA7V 15 X 2 X 0.5U
20	18.4	393	EA7V 20 X 2 X 0.5U
25	20.4	479	EA7V 25 X 2 X 0.5U
30	22.1	565	EA7V 30 X 2 X 0.5U
40	25.3	735	EA7V 40 X 2 X 0.5U
50	28.0	903	EA7V 50 X 2 X 0.5U

**for Unscreened** EV -- X 2 X 0.5U  
If Tinned Copper, add 'T' in code after the 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	7.0	62	EA7V 1 X 2 X 1U
2(1Q)	10.1	108	EA7V 1 X 4 X 1U
3	11.4	155	EA7V 3 X 2 X 1U
4	12.4	193	EA7V 4 X 2 X 1U
5	13.2	228	EA7V 5 X 2 X 1U
6	14.2	267	EA7V 6 X 2 X 1U
7	15.2	306	EA7V 7 X 2 X 1U
8	16.2	344	EA7V 8 X 2 X 1U
10	17.9	419	EA7V 10 X 2 X 1U
12	19.4	494	EA7V 12 X 2 X 1U
15	21.5	606	EA7V 15 X 2 X 1U
20	24.5	790	EA7V 20 X 2 X 1U
25	27.2	972	EA7V 25 X 2 X 1U
30	29.7	1153	EA7V 30 X 2 X 1U
40	34.0	1513	EA7V 40 X 2 X 1U
50	37.8	1871	EA7V 50 X 2 X 1U

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