



TEKAB



TEKAB

## INDIVIDUALLY SCREENED PE INSULATED MULTIPAIR CABLE FLEXIBLE CONDUCTOR (Class 5)

### DESCRIPTION

- **Conductor:** Annealed bare/tinned flexible copper class 5 to IEC 60228 & BS 6360
- **Insulation:** PE type L/MD to BS 7878
- **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

**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
  - Core to Core: 5GΩ.km
  - Screen to Screen: 1MΩ.km
- Max. **Mutual Capacitance** at 1kHz: 115 pF/M
- **Conductor Resistance:** refer to technical section

### Conductor: 0.5mm<sup>2</sup> - Class 5 ( Flexible )

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	10.0	107	EA8V 2 X 2 X 0.5K
3	11.9	154	EA8V 3 X 2 X 0.5K
4	13.4	195	EA8V 4 X 2 X 0.5K
5	14.6	232	EA8V 5 X 2 X 0.5K
6	16.0	266	EA8V 6 X 2 X 0.5K
8	17.6	336	EA8V 8 X 2 X 0.5K
10	20.5	410	EA8V 10 X 2 X 0.5K
12	21.1	466	EA8V 12 X 2 X 0.5K
15	23.5	560	EA8V 15 X 2 X 0.5K
16	23.5	585	EA8V 16 X 2 X 0.5K
20	26.1	730	EA8V 20 X 2 X 0.5K
30	31.8	1061	EA8V 30 X 2 X 0.5K
40	36.9	1393	EA8V 40 X 2 X 0.5K
50	41.1	1719	EA8V 50 X 2 X 0.5K

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

### Conductor: 1.5mm<sup>2</sup> - Class 5 ( Flexible )

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	13.6	198	EA8V 2 X 2 X 1.5K
3	15.6	265	EA8V 3 X 2 X 1.5K
4	17.6	340	EA8V 4 X 2 X 1.5K
5	19.4	408	EA8V 5 X 2 X 1.5K
6	21.2	473	EA8V 6 X 2 X 1.5K
8	23.1	592	EA8V 8 X 2 X 1.5K
10	27.7	763	EA8V 10 X 2 X 1.5K
12	28.6	879	EA8V 12 X 2 X 1.5K
15	32.2	1083	EA8V 15 X 2 X 1.5K
16	32.2	1139	EA8V 16 X 2 X 1.5K
20	35.5	1395	EA8V 20 X 2 X 1.5K
30	43.3	2044	EA8V 30 X 2 X 1.5K
40	50.3	2699	EA8V 40 X 2 X 1.5K
50	56.2	3344	EA8V 50 X 2 X 1.5K

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