



TEKAB



TEKAB

MULTIPAIR PE INSULATED SCREENED/UNSCREENED CABLES FLEXIBLE CONDUCTOR (Class 5)

DESCRIPTION

- **Conductor:** Annealed bare/tinned flexible copper class 5 to IEC60228 & 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 ²	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: 0.5mm² - Class 5 (Flexible)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	6.5	48	EA7V 1 X 2 X 0.5K
2(1Q)	9.4	83	EA7V 1 X 4 X 0.5K
3	10.5	106	EA7V 3 X 2 X 0.5K
4	11.5	129	EA7V 4 X 2 X 0.5K
5	12.1	150	EA7V 5 X 2 X 0.5K
6	13.1	174	EA7V 6 X 2 X 0.5K
7	14.0	197	EA7V 7 X 2 X 0.5K
8	14.9	221	EA7V 8 X 2 X 0.5K
10	16.4	266	EA7V 10 X 2 X 0.5K
12	17.8	311	EA7V 12 X 2 X 0.5K
15	19.7	377	EA7V 15 X 2 X 0.5K
20	22.5	487	EA7V 20 X 2 X 0.5K
25	24.9	594	EA7V 25 X 2 X 0.5K
30	27.1	701	EA7V 30 X 2 X 0.5K
40	31.0	912	EA7V 40 X 2 X 0.5K
50	34.5	1122	EA7V 50 X 2 X 0.5K

for Unscreened EV - X 2 X 0.5K
 † Tinned Copper, add 'T' in the code after conductor size.

Conductor: 1.5mm² - Class 5 (Flexible)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
1	8.0	79	EA7V 1 X 2 X 1.5K
2(1Q)	11.7	143	EA7V 1 X 4 X 1.5K
3	13.2	193	EA7V 3 X 2 X 1.5K
4	14.5	241	EA7V 4 X 2 X 1.5K
5	15.3	286	EA7V 5 X 2 X 1.5K
6	16.6	335	EA7V 6 X 2 X 1.5K
7	17.8	384	EA7V 7 X 2 X 1.5K
8	18.9	433	EA7V 8 X 2 X 1.5K
10	20.9	529	EA7V 10 X 2 X 1.5K
12	22.7	625	EA7V 12 X 2 X 1.5K
15	25.2	767	EA7V 15 X 2 X 1.5K
20	28.8	1002	EA7V 20 X 2 X 1.5K
25	32.0	1235	EA7V 25 X 2 X 1.5K
30	34.9	1467	EA7V 30 X 2 X 1.5K
40	40.0	1927	EA7V 40 X 2 X 1.5K
50	44.5	2385	EA7V 50 X 2 X 1.5K

for Unscreened EV - X 2 X 1.5K
 † Tinned Copper, add 'T' in the code after conductor size.