



INDIVIDUALLY SCREENED PE INSULATED MULTIPAIR ARMoured 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
- **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
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: 0.5mm² - Class 5 (Flexible)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	15.8	509	EA8Z2V 2 X 2 X 0.5K
3	17.5	595	EA8Z2V 3 X 2 X 0.5K
4	18.9	690	EA8Z2V 4 X 2 X 0.5K
5	20.4	777	EA8Z2V 5 X 2 X 0.5K
6	21.8	862	EA8Z2V 6 X 2 X 0.5K
8	23.4	978	EA8Z2V 8 X 2 X 0.5K
10	27.6	1354	EA8Z2V 10 X 2 X 0.5K
12	28.3	1457	EA8Z2V 12 X 2 X 0.5K
15	31.0	1668	EA8Z2V 15 X 2 X 0.5K
16	31.0	1694	EA8Z2V 16 X 2 X 0.5K
20	33.5	1928	EA8Z2V 20 X 2 X 0.5K
30	40.3	2827	EA8Z2V 30 X 2 X 0.5K
40	45.7	3469	EA8Z2V 40 X 2 X 0.5K
50	51.3	4518	EA8Z2V 50 X 2 X 0.5K

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

Conductor: 1.5mm² - Class 5 (Flexible)

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	19.2	696	EA8Z2V 2 X 2 X 1.5K
3	21.5	846	EA8Z2V 3 X 2 X 1.5K
4	23.5	993	EA8Z2V 4 X 2 X 1.5K
5	26.3	1297	EA8Z2V 5 X 2 X 1.5K
6	28.3	1464	EA8Z2V 6 X 2 X 1.5K
8	30.5	1674	EA8Z2V 8 X 2 X 1.5K
10	35.2	2038	EA8Z2V 10 X 2 X 1.5K
12	37.0	2484	EA8Z2V 12 X 2 X 1.5K
15	40.8	2885	EA8Z2V 15 X 2 X 1.5K
16	40.8	2937	EA8Z2V 16 X 2 X 1.5K
20	44.2	3387	EA8Z2V 20 X 2 X 1.5K
30	53.6	4969	EA8Z2V 30 X 2 X 1.5K
40	61.0	6164	EA8Z2V 40 X 2 X 1.5K
50	67.3	7207	EA8Z2V 50 X 2 X 1.5K

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