



## INDIVIDUALLY SCREENED PE INSULATED MULTIPAIR ARMoured CABLE SOLID CONDUCTOR (Class 1)

### DESCRIPTION

- **Conductor:** Annealed bare/tinned solid copper class 1 to IEC 60228 & BS 6360
- **Insulation:** PE type LMD 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: 0.5mm<sup>2</sup> ( 1X0.8mm )

Number of Pairs	Approx. O.D. mm	Approx. Weight kg/km	Code Nr screened
2	13.8	365	EA8Z2V 2 X 2 X 0.5U
3	16.0	530	EA8Z2V 3 X 2 X 0.5U
4	17.3	606	EA8Z2V 4 X 2 X 0.5U
5	18.5	684	EA8Z2V 5 X 2 X 0.5U
6	19.8	751	EA8Z2V 6 X 2 X 0.5U
8	21.2	855	EA8Z2V 8 X 2 X 0.5U
10	24.8	1191	EA8Z2V 10 X 2 X 0.5U
12	25.4	1267	EA8Z2V 12 X 2 X 0.5U
15	27.8	1457	EA8Z2V 15 X 2 X 0.5U
16	27.8	1480	EA8Z2V 16 X 2 X 0.5U
20	29.9	1672	EA8Z2V 20 X 2 X 0.5U
30	35.0	2187	EA8Z2V 30 X 2 X 0.5U
40	40.5	2997	EA8Z2V 40 X 2 X 0.5U
50	44.4	3480	EA8Z2V 50 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
2	16.6	555	EA8Z2V 2 X 2 X 1U
3	18.4	666	EA8Z2V 3 X 2 X 1U
4	20.0	775	EA8Z2V 4 X 2 X 1U
5	21.6	875	EA8Z2V 5 X 2 X 1U
6	23.2	986	EA8Z2V 6 X 2 X 1U
8	25.7	1295	EA8Z2V 8 X 2 X 1U
10	29.4	1556	EA8Z2V 10 X 2 X 1U
12	30.2	1682	EA8Z2V 12 X 2 X 1U
15	33.2	1953	EA8Z2V 15 X 2 X 1U
16	33.2	1989	EA8Z2V 16 X 2 X 1U
20	36.7	2545	EA8Z2V 20 X 2 X 1U
30	43.2	3346	EA8Z2V 30 X 2 X 1U
40	50.2	4607	EA8Z2V 40 X 2 X 1U
50	55.1	5362	EA8Z2V 50 X 2 X 1U

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