



**MULTIPAIR PE INSULATED SCREENED/UNSCREENED ARMoured CABLES
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
- **Assembly:** in concentric layers
- **Screen:** (when required) aluminum bonded to polyester tape + 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: 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	11.3	258	EA7Z2V 1 X 2 X 0.5K
2(1Q)	15.1	456	EA7Z2V 1 X 4 X 0.5K
3	16.3	525	EA7Z2V 3 X 2 X 0.5K
4	17.4	579	EA7Z2V 4 X 2 X 0.5K
5	18.0	629	EA7Z2V 5 X 2 X 0.5K
6	19.1	685	EA7Z2V 6 X 2 X 0.5K
7	20.1	741	EA7Z2V 7 X 2 X 0.5K
8	21.0	795	EA7Z2V 8 X 2 X 0.5K
10	22.6	903	EA7Z2V 10 X 2 X 0.5K
12	24.9	1159	EA7Z2V 12 X 2 X 0.5K
15	26.9	1304	EA7Z2V 15 X 2 X 0.5K
20	29.8	1541	EA7Z2V 20 X 2 X 0.5K
25	32.4	1774	EA7Z2V 25 X 2 X 0.5K
30	34.8	1987	EA7Z2V 30 X 2 X 0.5K
40	39.9	2669	EA7Z2V 40 X 2 X 0.5K
50	43.5	3108	EA7Z2V 50 X 2 X 0.5K

for Unscreened EA7Z2V -- X 2 X 0.5K
If 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	12.9	325	EA7Z2V 1 X 2 X 1.5K
2(1Q)	17.6	607	EA7Z2V 1 X 4 X 1.5K
3	19.2	705	EA7Z2V 3 X 2 X 1.5K
4	20.5	800	EA7Z2V 4 X 2 X 1.5K
5	21.4	877	EA7Z2V 5 X 2 X 1.5K
6	22.8	975	EA7Z2V 6 X 2 X 1.5K
7	24.9	1232	EA7Z2V 7 X 2 X 1.5K
8	26.0	1331	EA7Z2V 8 X 2 X 1.5K
10	28.2	1508	EA7Z2V 10 X 2 X 1.5K
12	30.1	1701	EA7Z2V 12 X 2 X 1.5K
15	32.8	1952	EA7Z2V 15 X 2 X 1.5K
20	37.5	2637	EA7Z2V 20 X 2 X 1.5K
25	40.9	3065	EA7Z2V 25 X 2 X 1.5K
30	44.0	3461	EA7Z2V 30 X 2 X 1.5K
40	50.6	4713	EA7Z2V 40 X 2 X 1.5K
50	55.4	5486	EA7Z2V 50 X 2 X 1.5K

for Unscreened EA7Z2V -- X 2 X 1.5K
If Tinned Copper, add 'T' in the code after conductor size.