



TEKAB



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

#### DESCRIPTION

- **Conductor:** Annealed bare/tinned solid copper class 1 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 - 1 min.
- 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	8.9	95	EA8V 2 X 2 X 0.5U
3	10.2	125	EA8V 3 X 2 X 0.5U
4	11.7	167	EA8V 4 X 2 X 0.5U
5	12.8	198	EA8V 5 X 2 X 0.5U
6	14.1	235	EA8V 6 X 2 X 0.5U
8	15.3	289	EA8V 8 X 2 X 0.5U
10	18.1	362	EA8V 10 X 2 X 0.5U
12	18.6	412	EA8V 12 X 2 X 0.5U
15	20.7	494	EA8V 15 X 2 X 0.5U
16	20.7	517	EA8V 16 X 2 X 0.5U
20	22.6	622	EA8V 20 X 2 X 0.5U
30	27.6	917	EA8V 30 X 2 X 0.5U
40	32.0	1203	EA8V 40 X 2 X 0.5U
50	35.6	1485	EA8V 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	11.1	144	EA8V 2 X 2 X 1U
3	12.7	192	EA8V 3 X 2 X 1U
4	14.4	245	EA8V 4 X 2 X 1U
5	15.7	293	EA8V 5 X 2 X 1U
6	17.1	339	EA8V 6 X 2 X 1U
8	18.9	432	EA8V 8 X 2 X 1U
10	22.1	529	EA8V 10 X 2 X 1U
12	22.8	607	EA8V 12 X 2 X 1U
15	25.8	759	EA8V 15 X 2 X 1U
16	25.8	796	EA8V 16 X 2 X 1U
20	28.4	973	EA8V 20 X 2 X 1U
30	34.5	1421	EA8V 30 X 2 X 1U
40	40.1	1872	EA8V 40 X 2 X 1U
50	44.7	2317	EA8V 50 X 2 X 1U

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