



TEKAB



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MULTICORE PVC INSULATED, OVERALL SCREENED & BRAIDED CABLES LIY-(St)CY

DESCRIPTION

- **Conductor:** Annealed bare/tinned stranded copper
- **Insulation:** PVC type T11 to BS 7655
- **Identification:** numbered cores or coloured
- **Assembly:** in concentric layers
- **Screen-1:** aluminum bonded to polyester tape
+ tinned copper drain wire
- **Screen-2:** tinned copper braid 85% coverage
- **Jacket:** overall PVC type TM1 to BS 7655

SPECIFICATION: Generally to VDE series 800

CHARACTERISTICS

- Test Voltage: 1000Vac - 1min.
- Spark Test: 4 kv
- Rated Voltage : 500V
- Rated Temperature: 70°C
- Min. **Insulation Resistance** at 20°C: 25 MΩ.km
- Max. **Mutual Capacitance** of adjacent cores
at 1kHz: 250 pF/m
- **Conductor Resistance:** refer to technical section

Conductor: 22 AWG

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 22 AWG	5.1	17.8	43
3 X 22 AWG	5.3	21.2	49
4 X 22 AWG	5.6	25.8	57
5 X 22 AWG	6.1	32.3	69
6 X 22 AWG	6.5	37.4	79
7 X 22 AWG	6.5	40.7	82
8 X 22 AWG	6.8	45.8	91
10 X 22 AWG	7.4	54.3	106

Conductor: 20 AWG

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 20 AWG	6.0	26.6	60
3 X 20 AWG	6.4	35.1	74
4 X 20 AWG	6.8	41.6	85
5 X 20 AWG	7.3	48.2	101
6 X 20 AWG	7.9	54.8	115
7 X 20 AWG	7.9	59.5	120
8 X 20 AWG	8.5	67.0	137
10 X 20 AWG	9.2	76.5	158

Conductor: 18 AWG

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 18 AWG	7.2	37.9	82
3 X 18 AWG	7.5	47.3	99
4 X 18 AWG	8.1	56.7	117
5 X 18 AWG	9.0	67.0	145
6 X 18 AWG	9.7	77.3	169
7 X 18 AWG	9.7	84.9	176
8 X 18 AWG	10.3	95.2	195
10 X 18 AWG	11.6	113.1	243

