



TEKAB

MULTIPAIR PE INSULATED, OVERALL SCREENED & BRAIDED CABLES Li2Y-(St)CY

DESCRIPTION

- **Conductor:** Annealed bare/tinned stranded copper
- **Insulation:** PE type L/MD to BS 7878
- **Identification:** numbered cores or coloured
- **Pairing:** two insulated conductors twisted together to form a pair
- **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 : 300/500V
- Rated Temperature: 70°C
- Min. **Insulation Resistance** at 20°C: 5 GΩ.km
- Max. **Mutual Capacitance** at 1kHz:
1&2 pairs: 115 pF/m
above 2 pairs: 85 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
1 X 2 X 22 AWG	5.1	17.8	42
2 X 2 X 22 AWG	6.8	32.5	68
3 X 2 X 22 AWG	7.5	41.0	82
4 X 2 X 22 AWG	8.0	49.4	96
6 X 2 X 22 AWG	9.1	65.4	126
8 X 2 X 22 AWG	10.1	84.1	156
10 X 2 X 22 AWG	11.4	100.1	194

Conductor: 20 AWG

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
1 X 2 X 20 AWG	6.0	26.6	57
2 X 2 X 20 AWG	8.5	45.3	97
3 X 2 X 20 AWG	9.3	60.2	121
4 X 2 X 20 AWG	10.0	72.4	142
6 X 2 X 20 AWG	11.7	94.1	193
8 X 2 X 20 AWG	13.3	127.1	252
10 X 2 X 20 AWG	14.5	150.4	292

Conductor: 18 AWG

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
1 X 2 X 18 AWG	7.2	37.9	78
2 X 2 X 18 AWG	10.2	64.8	133
3 X 2 X 18 AWG	11.7	82.7	178
4 X 2 X 18 AWG	12.6	100.6	209
6 X 2 X 18 AWG	14.6	150.8	295
8 X 2 X 18 AWG	16.3	185.4	357
10 X 2 X 18 AWG	18.0	224.3	432

