



TEKAB

## INDIVIDUALLY BRAIDED MULTIPAIR CONTROL CABLE - LIYCPY

### DESCRIPTION

- **Conductor:** Flexible bare copper class 5 to IEC 60228
- **Insulation:** PVC type T12
- **Identification:** colour coded to **DIN 47100, JB, OB, JZ, OZ,**
- **Pairing:** two insulated conductors twisted together to form a pair
- **Screen:** each pair individually braided with tinned copper, 85% coverage
- Each pair separated with foil wrapping
- **Assembly:** pairs assembled together in concentric layer with wrapping tape
- **Jacket:** overall PVC type TM2

**SPECIFICATION:** Generally to VDE 0245,0812

### CHARACTERISTICS

- Min. **Insulation Resistance** at 20°C: 200MΩ.km

	0.14 mm <sup>2</sup>	≥ 0.25 mm <sup>2</sup>
- Test Voltage :	800 V	1200 V
- Rated Voltage:	350 V	500 V

#### Capacitance

- core to core :	150 pF/m	150 pF/m
- core to screen:	260 pF/m	260 pF/m

- **Conductor Resistance:** refer to technical section

#### Conductor: 0.14mm<sup>2</sup>

Size Nr X mm <sup>2</sup>	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.14	6.7	21.6	54
3 X 2 X 0.14	7.1	32.3	70
4 X 2 X 0.14	7.8	43.1	87
5 X 2 X 0.14	8.5	53.9	104
7 X 2 X 0.14	9.3	75.4	135
10 X 2 X 0.14	12.3	107.8	202
12 X 2 X 0.14	12.7	129.3	232
16 X 2 X 0.14	14.1	172.4	295
18 X 2 X 0.14	14.9	194.0	327
20 X 2 X 0.14	15.4	215.6	358

#### Conductor: 0.34mm<sup>2</sup>

Size Nr X mm <sup>2</sup>	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.34	8.2	34.6	78
3 X 2 X 0.34	8.7	51.9	103
4 X 2 X 0.34	9.6	69.2	129
5 X 2 X 0.34	10.5	86.5	156
7 X 2 X 0.34	11.9	121.1	217
10 X 2 X 0.34	15.3	173.0	303
12 X 2 X 0.34	15.8	207.6	350
16 X 2 X 0.34	18.0	276.8	469

#### Conductor: 0.75mm<sup>2</sup>

Size Nr X mm <sup>2</sup>	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.75	10.1	57.2	115
3 X 2 X 0.75	10.7	85.8	154
4 X 2 X 0.75	12.2	114.3	209
5 X 2 X 0.75	13.5	142.9	252
7 X 2 X 0.75	14.7	200.1	332
10 X 2 X 0.75	19.4	285.9	487
12 X 2 X 0.75	20.0	343.0	564
16 X 2 X 0.75	22.7	457.4	750

#### Conductor: 0.25mm<sup>2</sup>

Size Nr X mm <sup>2</sup>	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.25	7.4	27.9	65
3 X 2 X 0.25	7.8	41.8	85
4 X 2 X 0.25	8.6	55.8	106
5 X 2 X 0.25	9.4	69.7	127
7 X 2 X 0.25	10.3	97.6	166
10 X 2 X 0.25	13.5	139.4	247
12 X 2 X 0.25	14.0	167.3	285
16 X 2 X 0.25	15.6	223.1	364
18 X 2 X 0.25	16.8	250.9	423
20 X 2 X 0.25	17.4	278.8	462

#### Conductor: 0.5mm<sup>2</sup>

Size Nr X mm <sup>2</sup>	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.5	9.3	44.4	96
3 X 2 X 0.5	9.9	66.6	128
4 X 2 X 0.5	10.8	86.8	161
5 X 2 X 0.5	12.3	111.0	208
7 X 2 X 0.5	13.5	155.4	272
10 X 2 X 0.5	17.7	222.0	400
12 X 2 X 0.5	18.3	266.4	461
16 X 2 X 0.5	20.4	355.2	591

#### Conductor: 1mm<sup>2</sup>

Size Nr X mm <sup>2</sup>	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 1	10.9	75.73	139.4
3 X 2 X 1	12.1	113.6	202.4
4 X 2 X 1	13.3	151.5	256
5 X 2 X 1	14.6	189.3	310.4