



TEKAB

## INDIVIDUALLY & OVERALL BRAIDED MULTIPAIR CONTROL CABLE - LIYCY-CY

### 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
- **Inner Sheath:** each braided pair sheathed with PVC type TM2
- **Assembly:** pairs assembled together in concentric layers with wrapping tape
- **Overall Screen:** tinned copper braid 85% coverage
- **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	9.6	49.0	111
3 X 2 X 0.14	10.2	62.4	140
4 X 2 X 0.14	11.2	75.9	170
5 X 2 X 0.14	12.4	100.7	212
7 X 2 X 0.14	13.5	126.5	268
10 X 2 X 0.14	17.8	193.1	401
12 X 2 X 0.14	18.4	214.8	457
16 X 2 X 0.14	20.4	270.0	568
18 X 2 X 0.14	21.6	297.6	627
20 X 2 X 0.14	22.4	335.9	692

#### 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	10.2	58.1	126
3 X 2 X 0.25	10.9	74.6	160
4 X 2 X 0.25	11.9	91.3	195
5 X 2 X 0.25	13.2	120.8	243
7 X 2 X 0.25	14.5	152.9	309
10 X 2 X 0.25	19.1	230.9	461
12 X 2 X 0.25	19.7	258.9	527
16 X 2 X 0.25	21.9	326.7	658

#### 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	12.3	91.6	179
3 X 2 X 0.5	13.0	117.9	228
4 X 2 X 0.5	14.3	144.43	281
5 X 2 X 0.5	16.2	174.83	351
7 X 2 X 0.5	17.8	241.03	462

#### 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	11.1	67.6	145
3 X 2 X 0.34	11.8	87.6	184
4 X 2 X 0.34	13.1	120.3	238
5 X 2 X 0.34	14.4	141.9	282
7 X 2 X 0.34	16.1	184.8	378
10 X 2 X 0.34	20.8	270.7	542
12 X 2 X 0.34	21.5	313.3	614

#### 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	13.1	108.6	204
3 X 2 X 0.75	13.9	141.3	259
4 X 2 X 0.75	15.7	174.3	341
5 X 2 X 0.75	17.3	211.1	405
7 X 2 X 0.75	19.0	291.9	537