



TEKAB

BRAIDED MULTIPAIR CONTROL CABLES - LIYCY

DESCRIPTION

- **Conductor:** Flexible bare copper class 5 to IEC 60228
- **Insulation:** PVC type TI2
- **Identification:** colour coded to **DIN 47100, JB, OB, JZ, OZ,**
- **Pairing:** two insulated conductors twisted together to form a pair
- **Assembly:** in concentric layers & core wrapping tape
- **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 ²	≥ 0.25 mm ²
- Test Voltage :	800 V	1200 V
- Rated Voltage:	350 V	500 V

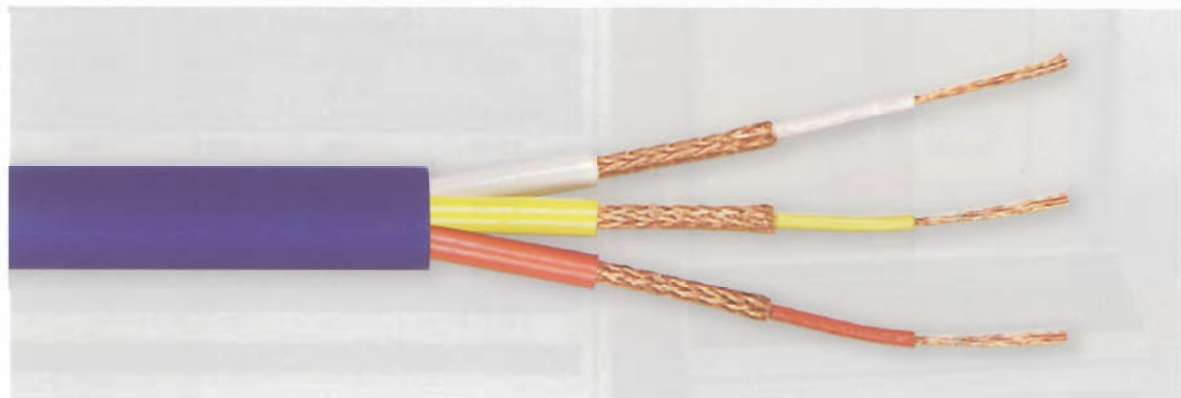
Capacitance

- core to core :	120 pF/m	150 pF/m
- core to screen:	240 pF/m	270 pF/m

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

Conductor: 0.14mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.14	5.0	18.3	34
3 X 2 X 0.14	5.2	21.9	41
4 X 2 X 0.14	5.9	29.7	52
5 X 2 X 0.14	6.5	34.3	64
6 X 2 X 0.14	6.5	37.1	70
8 X 2 X 0.14	7.1	45.4	85
10 X 2 X 0.14	8.2	55.4	103
12 X 2 X 0.14	9.4	64.2	130
16 X 2 X 0.14	10.6	80.0	160
18 X 2 X 0.14	11.1	87.7	175
20 X 2 X 0.14	11.6	95.3	190
25 X 2 X 0.14	13.2	125.1	250
27 X 2 X 0.14	13.6	132.8	265
30 X 2 X 0.14	14.2	144.2	287
32 X 2 X 0.14	14.6	151.8	302
36 X 2 X 0.14	15.3	166.7	331
40 X 2 X 0.14	16.0	181.4	359
46 X 2 X 0.14	17.0	203.1	402
50 X 2 X 0.14	18.0	217.4	449

Conductor: 0.25mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.25	5.6	27.3	45
3 X 2 X 0.25	5.9	33.3	55
4 X 2 X 0.25	6.7	40.7	71
5 X 2 X 0.25	7.2	47.6	82
6 X 2 X 0.25	7.2	52.5	91
8 X 2 X 0.25	7.9	65.4	112
10 X 2 X 0.25	9.6	80.3	147
12 X 2 X 0.25	10.1	92.1	167
16 X 2 X 0.25	11.2	116.3	209
18 X 2 X 0.25	12.2	128.7	243
20 X 2 X 0.25	12.7	150.7	272
25 X 2 X 0.25	14.7	185.5	333
27 X 2 X 0.25	15.2	197.7	354
30 X 2 X 0.25	15.9	215.9	385
32 X 2 X 0.25	16.3	228.0	406
36 X 2 X 0.25	17.6	251.9	466
40 X 2 X 0.25	18.5	291.6	521
46 X 2 X 0.25	19.7	339.3	593
50 X 2 X 0.25	20.4	363.7	634





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Conductor: 0.34mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.34	6.7	34.6	60
3 X 2 X 0.34	7.1	43.0	74
4 X 2 X 0.34	7.7	52.3	90
5 X 2 X 0.34	8.4	62.1	106
6 X 2 X 0.34	8.4	69.0	117
8 X 2 X 0.34	10.1	88.0	160
10 X 2 X 0.34	11.1	105.5	190
12 X 2 X 0.34	12.4	122.6	233
16 X 2 X 0.34	14.0	168.1	302
18 X 2 X 0.34	14.7	185.2	331
20 X 2 X 0.34	15.3	202.2	360
25 X 2 X 0.34	16.8	243.9	431
27 X 2 X 0.34	17.8	260.4	479
30 X 2 X 0.34	18.7	301.2	535
32 X 2 X 0.34	19.3	329.3	574
36 X 2 X 0.34	20.3	363.2	631
40 X 2 X 0.34	21.2	396.7	687
46 X 2 X 0.34	22.9	446.4	796
50 X 2 X 0.34	23.7	479.0	851

Conductor: 1mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 1	9.3	69.7	111
3 X 2 X 1	9.8	92.0	139
4 X 2 X 1	10.7	115.5	170
5 X 2 X 1	12.2	139.8	215
6 X 2 X 1	12.2	159.8	239
8 X 2 X 1	13.4	195.9	284
10 X 2 X 1	15.5	266.5	376
12 X 2 X 1	16.8	312.8	437
16 X 2 X 1	19.6	432.4	600
20 X 2 X 1	21.5	252.3	719
25 X 2 X 1	23.7	617.0	863



Conductor: 0.5mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.5	7.5	44.5	70
3 X 2 X 0.5	8.0	56.4	86
4 X 2 X 0.5	8.7	69.2	104
5 X 2 X 0.5	10.0	82.7	133
6 X 2 X 0.5	10.0	92.7	146
8 X 2 X 0.5	11.6	119.1	184
10 X 2 X 0.5	13.2	154.7	243
12 X 2 X 0.5	14.2	179.8	279
16 X 2 X 0.5	16.0	228.9	348
20 X 2 X 0.5	18.0	276.8	436
25 X 2 X 0.5	20.0	364.9	545

Conductor: 0.75mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.75	8.2	57.3	86
3 X 2 X 0.75	9.2	74.4	118
4 X 2 X 0.75	10.0	92.6	143
5 X 2 X 0.75	10.9	111.5	168
6 X 2 X 0.75	10.9	126.6	187
8 X 2 X 0.75	13.2	174.8	262
10 X 2 X 0.75	14.5	211.1	311
12 X 2 X 0.75	15.6	246.8	359
16 X 2 X 0.75	18.0	317.0	473
20 X 2 X 0.75	20.0	415.1	591
25 X 2 X 0.75	22.0	503.4	708

Conductor: 1.5mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 1.5	10.9	94.8	146
3 X 2 X 1.5	11.6	126.9	187
4 X 2 X 1.5	13.1	171.5	254
5 X 2 X 1.5	14.4	207.4	302
6 X 2 X 1.5	14.4	236.7	338
8 X 2 X 1.5	16.8	307.2	432
10 X 2 X 1.5	19.0	390.8	554
12 X 2 X 1.5	20.6	470.6	652
16 X 2 X 1.5	23.7	605.9	853