



## LIYY



### Kullanım Alanları

PVC izole ve kılıflı kablolar, elektrik ve elektronik cihazlar arasında bilgi alışverişini sağlamak için kullanılan kablolardır. Otellerde, fabrikalarda, alışveriş merkezlerinden apartmanlara kadar her alanda kullanılmaktadır.

Talep edildiği takdirde numara kodlu olarak aşağıda belirtilen tipler üretilebilir.

LIYY-OZ: Damarlar Siyah/Beyaz numara kodlu

LIYY-JZ: Toprak koruma damarlı (Sarı/Yeşil), damarlar Siyah/Beyaz numara kodlu

### Kablo Yapısı

#### İç İletken

Elektrolitik Bükülü Bakır Tel  
Sınıf 5 IEC 60228, DIN VDE EN 0295

#### İzolasyon

PVC, DIN 47100 İzole renk uygulamasına uygun  
EN 50290-2-21 TI52

#### Büküm

Grup halinde bükülü damarlar

#### Dış Kılıf

PVC, RAL 7001 Gri  
EN 50290-2-22 TM52

### Teknik Özellikler

#### Çalışma Sıcaklığı

-30°C ... + 70°C

#### Min. Bük. Yarı Çapı

15 x Kablo Çapı

#### İzolasyon Direnci

200 MΩ km

#### Çalışma Gerilimi

0.22 mm<sup>2</sup> - 0.34 mm<sup>2</sup>

250 V

≥ 0.50 mm<sup>2</sup>

300/500 V

#### Test Gerilimi

0.22 mm<sup>2</sup> - 0.34 mm<sup>2</sup>

1200 V

≥ 0.50 mm<sup>2</sup>

2000 V

#### Ambalaj

500 / 1000 m

### Standartlar

TS EN 13755, DIN VDE 0812

#### CPR Sınıfı

E<sub>ca</sub>

#### Alev Geciktiricilik

EN 60332-1-2

### Application

These cables are PVC insulation and outer sheath. These cables are used for connections and exchange of information between the electronics devices. These cables are used in the hotels, factories, shopping centers, and apartments.

If there is a request from this cables as number coded, it can be able to produce the following types.

LIYY-OZ: Cores number coded and Black/White color

LIYY-JZ: Green/Yellow earthing core, cores number coded and Black/White color

### Cable Construction

#### Inner Conductor

Stranded Electrolytic Bare Copper  
Class 5 IEC 60228, DIN VDE 0295

#### Insulation

PVC, DIN 47100 Suitable for isolated color  
EN 50290-2-21 TI52

#### Stranding

Twisted in group

#### Outer Sheath

PVC, RAL 7001 Grey  
EN 50290-2-22 TM52

### Technical Properties

#### Operating Temperature

-30°C ... + 70°C

#### Min. Bending Radius

15 x Cable Diameter

#### Insulation Resistance

200 MΩ km

#### Operating Voltage

0.22 mm<sup>2</sup> - 0.34 mm<sup>2</sup>

250 V

≥ 0.50 mm<sup>2</sup>

300/500 V

#### Test Voltage

0.22 mm<sup>2</sup> - 0.34 mm<sup>2</sup>

1200 V

≥ 0.50 mm<sup>2</sup>

2000 V

#### Packing

500 / 1000 m

### Standards

TS EN 13755, DIN VDE 0812

#### Euro Class

E<sub>ca</sub>

#### Flame Retardancy

EN 60332-1-2

İletken Çapı Cross Section (mm <sup>2</sup> )	İletken Direnci Conductor Resistance (Ohm/km @ 20 °C)
0.22	96.00
0.34	56.00
0.50	39.00
0.75	26.00
1.00	19.50
1.50	13.30
2.50	7.98

Damar Sayısı x Kesit No. Of Cores x Cross Section (mm <sup>2</sup> )	Kablo Çapı Overall Diameter (mm)	Bakır Ağırlığı Copper Weight (kg/km)	Kablo Ağırlığı Cable Weight (kg/km)
2 x 0.22	3.6	4.0	20
3 x 0.22	3.8	6.2	22
4 x 0.22	4.1	8.2	25
5 x 0.22	4.2	10.2	32
6 x 0.22	5.1	12.2	36
7 x 0.22	5.1	14.2	38
8 x 0.22	5.3	16.4	45
9 x 0.22	5.7	18.8	49
10 x 0.22	5.7	21.0	52
12 x 0.22	6.0	24.8	64
14 x 0.22	6.4	29.0	73
16 x 0.22	6.8	33.1	78
18 x 0.22	8.2	37.0	87
20 x 0.22	8.2	41.8	95
25 x 0.22	9.0	52.4	120
2 x 0.34	4.4	6.4	25
3 x 0.34	4.7	9.7	31
4 x 0.34	5.1	12.9	35
5 x 0.34	5.5	16.1	41
6 x 0.34	6.0	19.3	48
7 x 0.34	6.0	22.6	54
8 x 0.34	6.4	24.8	62
9 x 0.34	7.6	28.4	72
10 x 0.34	7.6	32.2	75
12 x 0.34	7.9	38.7	86
14 x 0.34	8.3	45.1	99
16 x 0.34	8.7	51.6	111
18 x 0.34	9.3	58.0	123
20 x 0.34	9.3	63.0	138
25 x 0.34	11.0	80.6	171
2 x 0.50	4.7	9.6	30
3 x 0.50	5.0	14.4	38
4 x 0.50	5.3	19.2	42
5 x 0.50	5.8	24.0	51
6 x 0.50	6.3	28.8	60
7 x 0.50	6.3	33.6	67
8 x 0.50	7.2	38.4	80
9 x 0.50	8.0	43.2	91
10 x 0.50	8.0	48.0	96
12 x 0.50	8.3	57.6	109
14 x 0.50	8.7	67.2	125
16 x 0.50	9.2	76.8	141
18 x 0.50	10.0	86.4	161
20 x 0.50	10.0	96.0	182
25 x 0.50	11.6	120.0	218

Damar Sayısı x Kesit No. Of Cores x Cross Section (mm <sup>2</sup> )	Kablo Çapı Overall Diameter (mm)	Bakır Ağırlığı Copper Weight (kg/km)	Kablo Ağırlığı Cable Weight (kg/km)
2 x 0.75	5.0	14.4	39
3 x 0.75	5.5	21.6	48
4 x 0.75	6.0	28.8	56
5 x 0.75	6.6	36.0	68
6 x 0.75	7.2	43.2	80
7 x 0.75	7.2	50.4	90
8 x 0.75	8.3	57.6	117
9 x 0.75	9.2	64.8	124
10 x 0.75	9.2	72.0	127
12 x 0.75	9.7	86.4	153
14 x 0.75	10.2	100.8	175
16 x 0.75	10.8	115.2	197
18 x 0.75	11.8	129.6	220
20 x 0.75	11.8	144.0	265
25 x 0.75	13.6	180.0	305
2 x 1.00	5.3	19.2	44
3 x 1.00	5.7	28.8	57
4 x 1.00	6.3	38.4	68
5 x 1.00	6.9	48.0	82
6 x 1.00	7.5	57.6	97
7 x 1.00	7.5	67.2	109
8 x 1.00	8.9	76.8	130
9 x 1.00	9.8	86.4	153
10 x 1.00	9.8	96.0	159
12 x 1.00	10.1	115.2	185
14 x 1.00	10.7	134.4	213
16 x 1.00	11.3	153.6	241
18 x 1.00	12.4	172.8	268
20 x 1.00	12.4	192.0	338
25 x 1.00	14.2	240.0	372
2 x 1.50	6.3	28.8	58
3 x 1.50	6.8	43.2	82
4 x 1.50	7.5	57.6	96
5 x 1.50	8.2	72.0	117
6 x 1.50	9.0	86.4	138
7 x 1.50	9.0	100.8	157
8 x 1.50	10.3	115.2	175
9 x 1.50	10.8	129.6	203
10 x 1.50	11.8	144.0	227
12 x 1.50	12.2	172.8	267
14 x 1.50	13.1	201.6	314
16 x 1.50	13.8	230.4	354
18 x 1.50	14.8	259.2	396
20 x 1.50	14.8	288.0	440
25 x 1.50	17.4	360.0	547

Damar Sayısı x Kesit No. Of Cores x Cross Section (mm <sup>2</sup> )	Kablo Çapı Overall Diameter (mm)	Bakır Ağırlığı Copper Weight (kg/km)	Kablo Ağırlığı Cable Weight (kg/km)
2 x 2.50	7.4	48.0	90
3 x 2.50	8.5	72.0	125
4 x 2.50	8.7	96.0	142
5 x 2.50	9.8	120.0	178
6 x 2.50	10.7	144.0	211
7 x 2.50	10.7	168.0	241
8 x 2.50	11.8	192.0	287
9 x 2.50	13.0	216.0	312
10 x 2.50	14.0	240.0	347
12 x 2.50	14.5	288.0	408
14 x 2.50	15.5	336.0	478
16 x 2.50	16.4	384.0	541
18 x 2.50	17.6	432.0	604
20 x 2.50	17.6	480.0	645
25 x 2.50	20.4	600.0	825