



## Teknik Veriler / Technical Data



**Çalışma gerilimi**  
Operating voltage  
≤ 0,14 mm<sup>2</sup>: 300 V  
> 0,14 mm<sup>2</sup>: 300/500 V



**İzolasyon direnci**  
Insulation resistance  
Min 200 Mohm x Km



**Çalışma sıcaklığı**  
Operating temperature  
-30 ...+70°C



**Bükme yarıçapı**  
Bending radius  
Min. 7,5 x Ø



**Test gerilimi**  
Test voltage  
≤ 0,14 mm<sup>2</sup>: 1200 V  
> 0,14 mm<sup>2</sup>: 1500 V



**Kapasite (800 Hz)**  
Capacitance (800 Hz)  
Max. 120 pf/m



**Kısa devre sıcaklığı Max.**  
Short-circuit temperature Max.  
160°C



**Alev iletme**  
Flame retardant  
IEC 60332-1-2



**Referans standart**  
Reference standard  
VDE 0812 & VDE 0814



**Akım taşıma kapasitesi**  
Current carrying capacity  
VDE 0298-4, HD 516

# LIY(St)Y-TP

## 300/500V



## Kullanım Alanları

Bu kablolar mekanik zorlamaların bulunmadığı nemli, ıslak ve kuru dahili ortamlarda, bilgisayarlarda, makine imalatı ve makine sektöründe, kontrol sistemlerinde data ve sinyal kablosu olarak kullanılırlar.

## Applications

These cables are for flexible use with free movement without tensile stress or forced movements in dry, moist and wet rooms, as data cables in control technologies, in the machine manufacturing and machine industries, in computers and as signal cable for the electronics branch.

## Kablo Yapısı / Cable Structure

<b>İletken</b> Conductor	: Tavlı bükülü bakır tel (HD 383 S2 Class 5) : Annealed stranded copper wire (HD 383 S2 Class 5)
<b>İzolasyon</b> Insulation	: PVC bileşik (VDE 0207 - 4 / Y11) : PVC compound (VDE 0207 - 4 / Y11)
<b>Damar renkleri</b> Core Identification	: DIN 47100 : DIN 47100
<b>Büküm</b> Lay-up	: Çiftler katlar halinde bükülür : Pairs stranded in layers
<b>Ayrırcı</b> Separator	: Polyester bant : Polyester tape
<b>Ekran</b> Screen	: Toprak teli ve Al-pes folyo : Tinned copper braid screen and Al-pes foil
<b>Dış kılıf</b> Outer sheath	: PVC bileşik (VDE 0207 - 5 / YM1) : PVC compound (VDE 0207 - 5 / YM1)
<b>Kılıf Rengi</b> Sheath Color	: RAL 7001 Gri : RAL 7001 Gray

## Uygulanan Testler / Applied Tests

<b>Yapısal boyut testleri</b> Structural dimension tests	: DIN VDE 472 Teil 401, 402
<b>Mekanik testler</b> Mechanical tests	: DIN VDE 472 Teil 303, 602, 603, 604, 608, 609, 610, 612 620, 804, 808
<b>Elektriksel testler</b> Electrical tests	: DIN VDE 472 Teil 502, 504, 509, 510
<b>Yangın performans testleri</b> Fire performance tests	: VDE 0482-332-1-2

Damar Sayısı x İletken Kesiti (mm <sup>2</sup> )	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm <sup>2</sup> )	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
2x2x0,22	5,2	12,0	40,0
3x2x0,22	6,1	17,0	50,0
4x2x0,22	6,5	21,0	55,0
5x2x0,22	7,0	26,0	75,0
7x2x0,22	8,0	35,0	95,0
10x2x0,22	9,1	49,0	120,0
12x2x0,22	10,5	58,0	145,0

Damar Sayısı x İletken Kesiti (mm <sup>2</sup> )	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm <sup>2</sup> )	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
14x2x0,22	11,4	68,0	160,0
16x2x0,22	12,5	76,0	180,0
20x2x0,22	13,9	92,0	240,0
2x2x0,34	5,8	16,0	45,0
3x2x0,34	6,5	23,0	60,0
4x2x0,34	7,5	29,0	80,0
5x2x0,34	8,0	35,0	85,0



# LIY(St)Y-TP

## 300/500V



Damar Sayısı x İletken Kesiti (mm <sup>2</sup> )	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm <sup>2</sup> )	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
7x2x0,34	8,0	49,0	115,0
10x2x0,34	10,4	68,0	150,0
12x2x0,34	12,2	80,0	190,0
14x2x0,34	13,1	92,0	240,0
16x2x0,34	14,0	105,0	270,0
20x2x0,34	15,3	130,0	325,0
2x2x0,50	6,8	24,0	55,0
3x2x0,50	7,3	33,0	75,0
4x2x0,50	9,0	43,0	90,0
5x2x0,50	9,3	52,0	115,0
7x2x0,50	11,3	71,0	150,0
10x2x0,50	13,1	100,0	220,0
12x2x0,50	14,2	120,0	280,0
14x2x0,50	15,0	138,0	320,0
16x2x0,50	16,2	156,0	355,0
20x2x0,50	17,7	205,0	450,0
2x2x0,75	8,0	36,0	75,0
3x2x0,75	8,5	50,0	100,0
4x2x0,75	9,4	65,0	110,0
5x2x0,75	11,0	79,0	135,0
7x2x0,75	12,3	105,0	185,0
10x2x0,75	14,2	150,0	250,0
12x2x0,75	15,4	180,0	315,0

Damar Sayısı x İletken Kesiti (mm <sup>2</sup> )	Dış Çap yaklaşık (mm)	Bakır Faktörü (kg/km)	Kablo Ağırlığı yaklaşık (kg/km)
Core Numbers Conductor Section (mm <sup>2</sup> )	O.D approx (mm)	Copper Factor (kg/km)	Cable Weight approx (kg/km)
14x2x0,75	16,6	205,0	350,0
16x2x0,75	17,7	235,0	395,0
20x2x0,75	19,3	305,0	505,0
2x2x1	9,0	40,0	95,0
3x2x1	9,6	58,0	125,0
4x2x1	11,0	76,0	170,0
5x2x1	12,2	96,0	210,0
7x2x1	13,2	131,0	285,0
10x2x1	16,1	190,0	385,0
12x2x1	17,0	220,0	480,0
14x2x1	19,0	260,0	520,0
16x2x1	20,2	290,0	575,0
20x2x1	22,8	370,0	720,0
2x2x1,5	10,0	55,0	120,0
3x2x1,5	10,8	80,0	170,0
4x2x1,5	12,6	110,0	210,0
5x2x1,5	13,4	135,0	250,0
7x2x1,5	15,0	185,0	335,0
10x2x1,5	18,2	270,0	455,0
12x2x1,5	19,0	318,0	545,0
14x2x1,5	21,7	365,0	665,0
16x2x1,5	23,0	420,0	735,0
20x2x1,5	25,1	530,0	920,0

\* Yüksek akım enerji beslemesi için uygun değildir.

\* Standart ambalajlama

Kangal < 30 kg ve 250 mt < Makara

\* Not suitable for high current power supply

\* Standard packaging

Coil < 30 kg and 250 mt < Drum