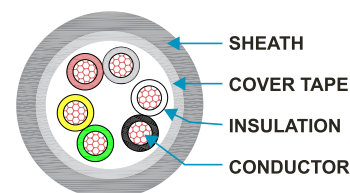


## Data Cables

LIYY (TP) – PVC Unshielded Twisted Pairs



### Application

- Data transmission cables used in control and signal lines and in electronics for computer systems, electronic control and regulation, office machinery where cables of robust construction and relatively small outer diameter are required
- Flexible, small outer diameter, small bending radius

### Properties

- Oil resistance
- Chemical resistance
- Radiation resistance :  $8 \times 10^{17}$  cJ/kg
- Fire performance : Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
- Absence of harmful substances : Acc. to RoHS directive of the European union

### Construction

- Conductor : Bare copper strands with reference to VDE 0812
- Insulation : PVC, T12 acc. to EN 50363-3+ VDE 0207-363-3
- Colour code : With reference to DIN47100
- Stranding : Cores twisted to pairs, pairs twisted in layers
- Wrapping : PETP foil
- Sheath material : PVC, Tm2 acc. to EN50363-4-1+VDE0207-363-4-1
- Sheath colour : Grey (RAL7032)

### Technical Parameter

- Peak operating voltage :  $< 0,25 \text{ mm}^2 = \text{max. } 350 \text{ V}$ ,  $0,25 \text{ mm}^2 = \text{max. } 500 \text{ V}$
- Testing voltage : core/core 1500 V
- Min. bending radius : fixed laying:  $5 \times d$   
flexible application :  $10 \times d$
- Temperature range fixed laying :  $-30 / +70^\circ\text{C}$   
flexible application :  $-5 / +70^\circ\text{C}$



### Dimension

Part Code	No. of pairs $n \times 2 \times \text{mm}^2$	Outer Diameter mm	Cable Wt. kg/km
0903B020005	2x2x0.50	6.4	47
0903B030005	3x2x0.50	7.1	64
0903B040005	4x2x0.50	8.6	87
0903B050005	5x2x0.50	9.4	105
0903B060005	6x2x0.50	9.6	120
0903B070005	7x2x0.50	9.9	128
0903B080005	8x2x0.50	10.6	146
0903B100005	10x2x0.50	11.8	174
0903B120005	12x2x0.50	13.4	216
0903B140005	14x2x0.50	14.6	259
0903B180005	18x2x0.50	15.3	311
0903B240005	24x2x0.50	17.8	406
0903B020007	2x2x0.75	7.3	63
0903B030007	3x2x0.75	8.6	87
0903B040007	4x2x0.75	9.9	118
0903B050007	5x2x0.75	10.7	140
0903B060007	6x2x0.75	11.1	164
0903B070007	7x2x0.75	11.4	173
0903B080007	8x2x0.75	12.7	207
0903B100007	10x2x0.75	14.0	251
0903B120007	12x2x0.75	15.9	309
0903B140007	14x2x0.75	16.8	351
0903B180007	18x2x0.75	18.1	443

0903 - Data Cables