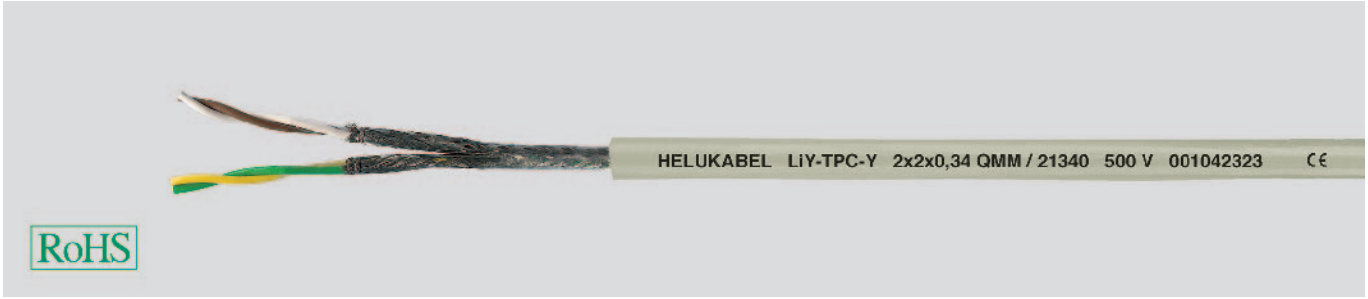
LiY-TPC-Y pairs screened, EMC-preferred type



Technical data

- Pair screened special PVC data transmission cable adapted to DIN VDE 0812 and 0814
- **Temperature range**
  flexing -5°C to +70°C
  fixed installation -30°C to +70°C
- **Nominal voltage**
  0,14 mm² = 350 V
  above 0,25 mm² = 500 V
- **Test voltage**
  0,14 mm² = 800 V
  above 0,25 mm² = 1200 V
- **Breakdown voltage** min. 2400 V
- **Insulation resistance**
  min. 20 MOhm x km
- **Radiation resistance**
  up to 80x10⁶ cJ/kg (up to 80 Mrad)

Cable construction

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 228 cl. 5 (for ≥0,5 mm²)
  0,25 and 0,34 mm² to DIN VDE 0812
- Strand make up
  0,25 mm² = 14x0,15 mm
  0,34 mm² = 7x0,25 mm
- Special PVC core insulation YI2, to DIN VDE 0207 part 4
- Core colours to DIN 47100
- Cores stranded in pairs with optimal lay-length
- Each pair with foil wrapping
- Pairs individually screened, tinned copper coverage approx. 85%
- All pairs-C stranded in layers with optimal lay-length
- Foil seperator Special PVC outer sheath YM2, to DIN VDE 0207 part 5
- Colour grey (RAL 7032)

Properties

- Extensively oil resistant.
  Chemical Resistance - see table Technical Informations
- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

This pair screened table type offers total interference-free data transfer and is ideal for use as a signal and control cable in combination with computers and external units. The screening properties also make this cable type well suited for use as a connecting cable in sound studio equipment, measuring and control sectors as well as proving a highly reliable cable for process-control and security systems.
The copper screening assures a disturbance-free data and signal transmission for measuring and control systems.
EMC = Electromagnetic compatibillity
To optimise the EMC features we recommend a large round contact of the cooper braiding on both ends.
CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No.pairs x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
21323	2 x 2 x 0,25	6,2	32,0	60,0	24
21324	3 x 2 x 0,25	6,9	48,0	80,0	24
21325	4 x 2 x 0,25	8,1	64,0	112,0	24
21326	5 x 2 x 0,25	9,1	80,0	142,0	24
21327	6 x 2 x 0,25	9,4	96,0	159,0	24
21328	7 x 2 x 0,25	9,6	112,0	177,0	24
21329	10 x 2 x 0,25	14,3	160,0	250,0	24
21340	2 x 2 x 0,34	7,1	42,0	78,0	22
21341	3 x 2 x 0,34	7,9	63,0	104,0	22
21342	4 x 2 x 0,34	9,6	84,0	153,0	22
21343	5 x 2 x 0,34	10,6	105,0	189,0	22
21344	7 x 2 x 0,34	11,2	147,0	238,0	22
21345	10 x 2 x 0,34	15,4	210,0	322,0	22

Part No.	No.pairs x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
21355	2 x 2 x 0,5	7,6	58,0	96,0	20
21356	3 x 2 x 0,5	8,8	87,0	136,0	20
21357	4 x 2 x 0,5	11,2	116,0	187,0	20
21370	2 x 2 x 0,75	8,9	76,0	132,0	18
21371	3 x 2 x 0,75	9,9	114,0	178,0	18
21372	4 x 2 x 0,75	11,4	152,0	243,0	18
21373	5 x 2 x 0,75	12,9	190,0	312,0	18
21385	2 x 2 x 1	9,3	86,0	142,0	17
21386	3 x 2 x 1	10,1	130,0	189,0	17
21387	4 x 2 x 1	11,9	149,0	275,0	17

Dimensions and specifications may be changed without prior notice.