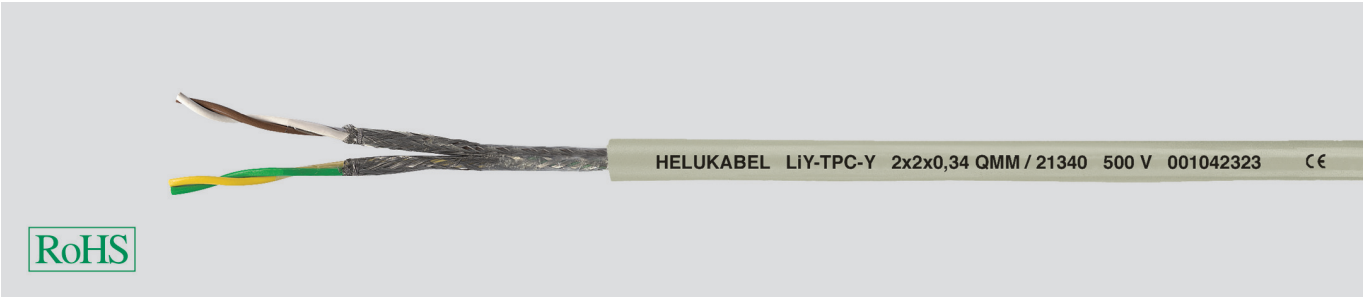
LiY-TPC-Y pairs screened, EMC-preferred type, meter marking



Technical data

- Pair screened special PVC data transmissionn cable adapted to DIN VDE 0812 and 0814
- **Temperature range** flexing -5°C to +70°C fixed installation -30°C to +70°C
- **Operating peak voltage** 500 V (not for heavy current installation purposes)
- **Test voltage** 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)
- **Coupling resistance** max. 250 Ohm/km
- **Minimum bending radius** flexing 12x cable Ø fixed installation 7,5x cable Ø

Cable structure

- Bare copper-conductor, from 0,5 mm² to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5 0,25 mm² and 0,34 mm² to DIN VDE 0812
- Conductor construction: 0,25 mm² = 14x0,15 mm 0,34 mm² = 7x0,25 mm
- Core insulation of special PVC compound type TI2 to DIN VDE 0207-363-3 / DIN EN 50363-3
- Core identification (pair) 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 wrapping
- Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Sheath colour grey (RAL 7032)
- with meter marking

Properties

- Extensively oil resistant, oil-/ chemical Resistance - see table Technical Informations
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2/IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

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 optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No.pairs x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. 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	6,8	48,0	80,0	24
21325	4 x 2 x 0,25	7,4	64,0	112,0	24
21326	5 x 2 x 0,25	8,7	80,0	142,0	24
21327	6 x 2 x 0,25	9,1	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	11,7	160,0	250,0	24
21340	2 x 2 x 0,34	6,7	42,0	78,0	22
21341	3 x 2 x 0,34	7,5	63,0	104,0	22
21342	4 x 2 x 0,34	8,1	84,0	153,0	22
21343	5 x 2 x 0,34	9,5	105,0	189,0	22
21344	7 x 2 x 0,34	10,1	147,0	238,0	22
21345	10 x 2 x 0,34	13,4	210,0	322,0	22

Part no.	No.pairs x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
21355	2 x 2 x 0,5	8,3	58,0	96,0	20
21356	3 x 2 x 0,5	9,2	87,0	136,0	20
21357	4 x 2 x 0,5	10,2	116,0	187,0	20
21370	2 x 2 x 0,75	9,2	76,0	132,0	19
21371	3 x 2 x 0,75	10,1	114,0	178,0	19
21372	4 x 2 x 0,75	11,2	152,0	243,0	19
21373	5 x 2 x 0,75	12,7	190,0	312,0	19
21385	2 x 2 x 1	9,6	86,0	142,0	18
21386	3 x 2 x 1	10,8	130,0	189,0	18
21387	4 x 2 x 1	11,9	149,0	275,0	18

Dimensions and specifications may be changed without prior notice. (RB01)

16.04.2015 / Dimensions and specifications may be changed without prior