LifYCY high flexible, paired, screened, EMC-preferred type, meter marking

Technical data

- Special PVC connecting cable, adapted to DIN VDE 0812 and 0814
- **Temperature range**
  flexing -5°C to +70°C
  fixed installation -40°C to +70°C
- **Operating peak voltage** 350 V
  (not for heavy current installation purposes)
- **Test voltage** 1200 V
- **Breakdown voltage** min. 2400 V
- **Insulation resistance**
  min. 10 MOhm x km
- **Minimum bending radius**
  flexing 10x cable Ø
  fixed installation 5x cable Ø
- **Radiation resistance**
  up to 80x10⁶ cJ/kg (up to 80 Mrad)
- **Coupling resistance**
  max. 250 Ohm/km

Cable structure

- Bare copper, extra fine conductors (single wire diameter 0,05 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
- Pairs stranded in layers
- Foil wrapping
- Tinned copper braided screen, approx. 85% coverage
- 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)

Application

These screened cables are used as connecting cable for signal, measuring, control and speaking purposes for example in Intercom systems, weighing instruments, equipment for office works, computers and telecommunication equipment etc. The cable offers a flexible handling and installation. Due to pair-twisting, the electrical unbalances of the cable itself can be reduced and cross-talk effects are avoided. The tinned copper screened braiding serves as protection against outer high frequency influences (capacitance unbalance). The drain wire ensure an exact connection to the earth clamp. The cables are suitable for fixed installation and flexible application, free-moving without tensile stress and without forced guiding operation in dry, damp and wet places for medium mechanical stress.

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 approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
15987	2 x 2 x 0,2	5,7	24,0	60,0	-
15988	3 x 2 x 0,2	6,1	35,0	70,0	-
15989	4 x 2 x 0,2	6,6	45,0	80,0	-
15990	5 x 2 x 0,2	7,9	54,0	90,0	-
15991	6 x 2 x 0,2	8,3	56,0	100,0	-
15992	7 x 2 x 0,2	8,3	68,0	120,0	-
15993	8 x 2 x 0,2	9,4	72,0	130,0	-

Part no.	No.pairs x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
15994	10 x 2 x 0,2	10,2	108,0	150,0	-
15995	12 x 2 x 0,2	10,9	125,0	180,0	-
15996	16 x 2 x 0,2	12,3	144,0	210,0	-
15997	18 x 2 x 0,2	13,1	155,0	230,0	-
15998	20 x 2 x 0,2	13,2	216,0	250,0	-
15999	24 x 2 x 0,2	15,0	228,0	330,0	-
16000	32 x 2 x 0,2	16,6	269,0	400,0	-

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

Suitable accessories can be found in Chapter X.

• Cable tie

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