



Voltage : 0.14 mm² : 350 V
 ≥ 0.25 mm² : 500 V
 Temp. : 80 °C

Application

LIYCY is use as data transmission and control system when interference free is required, especially in conveyor system, automated manufacturing systems, transmission lines and all kind of moving machinery, etc. The high density of copper screening ensures maximum protection from interference and disturbance-free transmission of signal and impulses. It is suitable to be use in dry, moist and wet environment, but not recommended to be use in outdoor.

Cable Construction

- Fine strand of bare copper conductors according to DIN VDE 0295 class 5 and IEC 60228
- Conductor make-up : 0.14 mm² : 18 x 0.10 mm
 0.25 mm² : 14 x 0.25 mm
 0.34 mm² : 7 x 0.25 mm
- PVC insulation
- Cores in colour code accordance to DIN 47100
- Cores stranded in layer
- Core wrap in plastic foil
- Tinned drain wire
- Tinned copper braided screen, min. 85% coverage
- PVC outersheath, TM2 to DIN VDE 0281 part 1, colour grey RAL 7001
- Oil & chemical resistance
- PVC self-extinguishing and flame retardant, test method B according to VDE 0472 part 804 and IEC 60332-1

Technical Data

Standard : According to DIN VDE 0245, 0812
 Nominal voltage : 0.14 mm² : 350 V
 ≥ 0.25 mm² : 500 V
 Temperature range : Flexing : - 5°C to + 80°C
 Fixed laying : - 40°C to + 80°C
 Testing voltage : Core to core : 1.2 KV, 50 Hz
 : Core to screen : 0.8 KV, 50 Hz
 Insulation resistance : Min. 200 MOhm x km
 Min. bending radius : 10 x cable diameter
 Inductance : ± 0.65 mH/km
 Impedance : ± 78 Ohm
 Capacitance at 800 Hz : Core to core
 0.14 mm² : ± 120 pF/m
 0.25 mm² : ± 150 pF/m
 Core to Screen
 0.14 mm² : ± 240 pF/m
 0.25 mm² : ± 270 pF/m

Item No.	No. Of Core x Section mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
110001	1 x 0.14	3.1	6.1	16
110002	2 x 0.14	3.6	12.0	20
110003	3 x 0.14	3.7	13.0	27
110004	4 x 0.14	4.0	14.5	32
110005	5 x 0.14	4.5	15.5	37
110006	6 x 0.14	4.9	18.2	42
110007	7 x 0.14	5.0	19.0	48
110008	8 x 0.14	5.2	21.3	55
110009	10 x 0.14	6.1	28.7	65
110010	12 x 0.14	6.2	30.5	77
110011	14 x 0.14	6.5	32.0	79
110012	16 x 0.14	7.0	43.2	89
110013	18 x 0.14	7.2	51.0	103
110014	20 x 0.14	7.5	55.0	116
110015	21 x 0.14	7.6	56.0	120
110016	24 x 0.14	8.4	62.0	131
110017	25 x 0.14	8.5	61.0	136
110018	27 x 0.14	8.6	65.0	142
110019	30 x 0.14	9.0	69.0	157
110020	32 x 0.14	9.2	76.0	163
110021	36 x 0.14	9.6	83.0	182
110022	40 x 0.14	10.3	88.0	209

Item No.	No. Of Core x Section mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
110023	42 x 0.14	10.6	94.0	217
110024	44 x 0.14	11.0	111.0	226
110025	48 x 0.14	11.2	115.0	240
110026	52 x 0.14	11.4	124.0	270
110027	56 x 0.14	11.9	132.0	320
110028	61 x 0.14	12.3	146.0	370
110029	80 x 0.14	19.1	226.0	510
110030	100 x 0.14	22.9	267.0	580
110031	1 x 0.25	3.0	7.2	27
110032	2 x 0.25	4.2	15.8	31
110033	3 x 0.25	4.6	18.6	36
110034	4 x 0.25	5.0	22.0	40
110035	5 x 0.25	5.2	26.5	51
110036	6 x 0.25	5.7	32.4	58
110037	7 x 0.25	5.9	35.0	64
110038	8 x 0.25	6.2	42.1	82
110039	10 x 0.25	7.1	49.9	85
110040	12 x 0.25	7.3	58.0	90
110041	14 x 0.25	7.9	62.0	144
110042	16 x 0.25	8.3	67.0	110
110043	18 x 0.25	8.5	78.0	142
110044	19 x 0.25	8.7	79.0	146

Continuation >>>



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