

SAPFLEX KABEL DISTRONIC - LiYCY (TP) RoHS CE



DISTRONIC - LiYCY (TP)

Technical data

Core identification code DIN 47100 excepting for extruded secondary colour line in place of ring printing.	Peak working voltage 250 V (not for power applications)	Coupling (1 kHz) approx. 300 pf at 100 m	Minimum bending radius Flexing: 15 x cable diameter fixed, insulation: 6 x cable diameter
Mutual capacitance 0.14 mm ² C / C approx. 140 nF / km C / S approx. 150 nF / km ≥ 0.25 mm ² C / C approx. 150 nF / km C / S approx. 230 nF / km	Based on VDE 0814 (DIN) 47414) or VDE 0812	Inductivity Approx. 0.65 mH / km	Test voltage at 0.14 sqmm: 1200 V > 0.14 sqmm: 1500 V
Specific insulation resistance > 20 GOhm x cm	Conductor Fine copper wire stranding	Range of temperature fixed installation: -15 °C to + 80 °C flexing: -5 °C to + 70 °C	

Benefits

- * Data transmission with good screening, twisted pairs (TP) decouples the Cable circuits.

Product Make-UP

- * Bare copper wire bunched conductor
- * PVC core insulation
- * Cores twisted in pairs with optimal lay-length
- * Screen braiding made from tinned copper wire
- * Outer sheath : Special PVC grey

Approvals (Norm references)

- * Using RoHS compliances compounds
- * CE

Application range

- * Good protection against the capacitive influence due to electric field (e.g. power cable)
- * Dry and damp indoors
- * LiYCY (TP) is well suited for use in areas subjected to signal interference

Product features

- * Excellent screening against electrical Interference
- * The twisted pairs are covered with an impervious copper braid
- * The Twisted pairs conformed favourable cross-talk attenuation values
- * Flame-retardant acc. to IEC 60332-1-2

Part Number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index Kg./km	Weight kg./km approx
DISTRONIC - LiYCY (TP); U₀ / U: 300 / 500 V				
300121	1 X 2 X 0.14	4.5	13.9	31
300122	2 X 2 X 0.14	5.4	20.1	43
300123	3 X 2 X 0.14	6.2	26.0	55
300124	4 X 2 X 0.14	6.8	31.6	65
300126	6 X 2 X 0.14	7.8	41.7	84
300128	8 X 2 X 0.14	8.7	51.4	102
301210	10 X 2 X 0.14	9.5	59.8	123
301212	12 X 2 X 0.14	10.2	67.3	138
301216	16 X 2 X 0.14	11.4	86.4	172
301220	20 X 2 X 0.14	12.4	101.3	202
301225	25 X 2 X 0.14	13.6	117.6	235
300221	1 X 2 X 0.25	4.8	16.3	35
300222	2 X 2 X 0.25	6.3	26.8	59
300223	3 X 2 X 0.25	7.1	34.9	74
300224	4 X 2 X 0.25	7.8	43.1	89
300226	6 X 2 X 0.25	9.0	56.6	114
300228	8 X 2 X 0.25	10.4	72.1	151
302210	10 X 2 X 0.25	11.3	84.7	174
302212	12 X 2 X 0.25	12.1	96.4	197
302216	16 X 2 X 0.25	13.5	122.6	243
302225	25 X 2 X 0.25	16.1	176.7	339
300421	1X 2 X 0.50	6.0	27.0	53
300422	2X 2 X 0.50	7.7	48.1	84
300423	3X 2 X 0.50	8.8	73.7	109
300424	4X 2 X 0.50	9.7	82.0	133
300426	6X 2 X 0.50	11.3	110.0	176
300428	8X 2 X 0.50	13.1	139.0	231
304212	12X 2 X 0.50	15.5	198.3	314
304216	16X 2 X 0.50	17.5	240.0	387
300521	1X 2 X 0.75	6.6	35.0	65
300522	2X 2 X 0.75	8.5	58.0	107
300523	3X 2 X 0.75	9.9	84.0	140
300524	4X 2 X 0.75	11.0	108.0	172
300525	5X 2 X 0.75	12.0	128.0	203
300526	6X 2 X 0.75	13.3	146.0	242
300528	8X 2 X 0.75	14.9	180.0	301
305212	12X 2 X 0.75	17.6	261.0	410
300621	1X 2 X 1.0	7.4	68.0	79
300622	2X 2 X 1.0	9.3	84.0	124
300623	3X 2 X 1.0	10.8	96.0	166
300624	4X 2 X 1.0	12.5	121.0	217
300625	5X 2 X 1.0	13.6	161.0	254

* Please specify the desired packaging size (e.g. 100 m coils)

* other sizes can be manufactured on demand

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