

SAPFLEX KABEL DISTRONIC - Li2YCY PiMF







RoHS CE








DISTRONIC - Li2YCY PiMF

Pair in Metal Foil

Technical data

-  **Core identification code**
DIN 47100 excepting for extruded secondary colour line in place of ring printing.
-  **Mutual capacitance**
At 800 Hz: 0.22 sqmm max. 70 nF / km
0.34 sqmm max. 70 nF / km
0.50 sqmm max. 75 nF / km
1.0 sqmm max. 85 nF / km
-  **Peak working voltage**
250 V (not for power applications)
-  **Insulation resistance**
> 5 GOhm x km
-  **Inductivity**
Approx. 0.4 mH / km
-  **Minimum bending radius**
fixed, insulation: 10 x cable diameter

-  **Test voltage**
C / C : 2000 V
C / S : 1000 V
-  **Range of temperature**
fixed installation: -30 ° C to + 70 ° C
-  **Characteristic impedance**
0.22 sqmm approx. 80 Ohm
0.34 sqmm approx. 85 Ohm
0.50 sqmm approx. 80 Ohm
1.0 sqmm approx. 75 Ohm
-  **Loop resistance**
0.22 sqmm max. 186 Ohm / km
0.34 sqmm max. 115 Ohm / km
0.50 sqmm max. 78.4 Ohm / km
1.0 sqmm max. 39.0 Ohm / km

-  **Conductor**
7 or fine wired strand based on VDE 0881.
- Cable attenuation / attenuation**
(Guideline values): 0.22 sqmm.
100 kHz 11.5 dB / km
1 MHz 46.0 dB / km
(Guideline values): 0.34 sqmm.
100 kHz 9.0 dB / km
1 MHz 38.0 dB / km
(Guideline values): 0.50 sqmm.
100 kHz 7.0 dB / km
1 MHz 35.0 dB / km
(Guideline values): 1.0 sqmm.
100 kHz 5.0 dB / km
1 MHz 20.0 dB / km
- Short-range crosstalk attenuation**
UP to 1 MHz min. 75 dB

Benefits

- * Data cable with low capacitance, pair screening and overall copper braiding.

Product features

- * Flame-retardant acc. to IEC 60332-1-2

Approvals (Norm references)

- * Using RoHS compliances compounds
- * CE

Application range

- * DISTRONIC Li2YCY PiMF with individual screening of the pairs is particularly suitable for wiring data systems and controls in large industrial plants, for the transmission of sensitive signals and high bit rates for enhanced requirements in near-end cross-talk attenuation and high electrical interference in the circuits.
- * For measurement value transmission and serial 2 wire interfaces.
- * Cables of this type are intended for limited flexible use, and for fixed installation in dry and damp interiors.

Product Make-UP

- * Stranded 7- wire bare copper conductor
- * PE core insulation
- * Foil wrapping, static screening of aluminium laminated plastic film with drain wire
- * PVC outer sheath
- * Colour : grey

Part Number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index Kg./km	Weight kg./km approx
DISTRONIC - Li2YCY (PiMF) ; Uo / U: 300 / 500 V				
200021	1 X 2 X 0.22	5.5	21.2	46
200022	2 X 2 X 0.22	6.8	32.2	68
200023	3 X 2 X 0.22	7.7	43.1	89
200024	4 X 2 X 0.22	8.5	55.2	111
200028	8 X 2 X 0.22	11.1	94.8	196
200210	10 X 2 X 0.22	12.0	111.6	234
200321	1 X 2 X 0.34	5.8	23.6	51
200322	2 X 2 X 0.34	7.3	40.2	80
200323	3 X 2 X 0.34	8.3	53.7	105
200324	4 X 2 X 0.34	9.3	66.2	133
200328	8 X 2 X 0.34	12.4	115.1	240
203210	10 X 2 X 0.34	13.5	138.7	288
200421	1 X 2 X 0.50	6.8	30.2	65
200422	2 X 2 X 0.50	8.7	50.4	103
200423	3 X 2 X 0.50	10.2	70.0	144
200424	4 X 2 X 0.50	11.3	87.2	177
200425	5 X 2 X 0.50	12.3	105.5	212
200528	8 X 2 X 0.50	15.2	154.2	324
205210	10 X 2 X 0.50	16.6	184.0	389
200621	1 X 2 X 1.0	7.5	42.3	85
200622	2 X 2 X 1.0	9.7	73.5	139
200623	3 X 2 X 1.0	11.7	101.8	199
200624	4 X 2 X 1.0	13.1	127.7	246
206210	10 X 2 X 1.0	19.3	278.2	542

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

* other sizes can be manufactured on demand

We Carry Signals

For Current Information See : www.sapflexkabel.com