

GAALFLEX® DATA Li2YCY (TP) Pimf

paired PE/PVC data cable with double screened, 300V

ELETTROTEK KABEL® GAALFLEX® DATA Li2YCY TP Pimf



Construction:

Conductor:	flexible red copper conductor Cl.5, acc.to IEC 60228, DIN VDE 0295
Insulation:	PE compound
Colour cores:	acc. to DIN 47100
Stranding:	cores twisted in pairs, pairs twisted in layers
Individual screen:	pairs screened individually with aluminium tape + tinned copper drain wire
Wrapping:	PETP foil
Screen:	tinned copper braid
Outer sheath:	grey, (RAL 7032) PVC type TM2 acc. to DIN VDE 0281 part 1

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2

Technical data:

Nominal voltage:	max. 300 V
Test voltage:	
<i>Core/core:</i>	2 kV
<i>Core/screen:</i>	1 kV
Temperature range	
<i>Fixed laying:</i>	- 20°C up to +80°C
<i>Flexible installation:</i>	- 5°C up to + 80°C
Min. bending radius	
<i>Fixed laying:</i>	6 x d
<i>Flexible installation:</i>	10 x d
Radiation resistance:	80 x 10 ₆ cJ/kg
Insulation resistance:	5 GOhm x km
Mutual capacitance	
<i>Core/core:</i>	75 _p f/m
Impedence	
<i>at 1 kHz:</i>	360 Ohm
<i>at 10 kHz:</i>	125 Ohm
<i>at 100 kHz:</i>	87 Ohm
<i>at 1000 kHz:</i>	70 Ohm
Line attenuation	
<i>at 1 kHz:</i>	1,1 dB
<i>at 10 kHz:</i>	2,7 dB
<i>at 100 kHz:</i>	6,8 dB
<i>at 1000 kHz:</i>	1000 dB
Cross talk attenuation:	min. 60 dB at 100 kHz

Features:

- On request tinned copper conductor
- Good EMC characteristics
- Flexible
- small outer diameter
- small bending radius
- RoHS and CE approval



Applications:

This cable 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

DATA CABLES

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Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
35110C64012M05	1 x 2 x 0,50	5,8	22	45	20
35110C64022M05	2 x 2 x 0,50	9,1	50	101	20
35110C64032M05	3 x 2 x 0,50	10	66	120	20
35110C64042M05	4 x 2 x 0,50	12	108	196	20
35110C64052M05	5 x 2 x 0,50	13,1	120	201	20
35110C64062M05	6 x 2 x 0,50	14,4	148	260	20
35110C64082M05	8 x 2 x 0,50	15	180	310	20
35110C64102M05	10 x 2 x 0,50	17,6	236	398	20
35110C64162M05	16 x 2 x 0,50	21,2	338	515	20
35110C64202M05	20 x 2 x 0,50	22,9	394	688	20
35110C64302M05	30 x 2 x 0,50	27,9	577	980	20
35110C64402M05	40 x 2 x 0,50	38,3	684	1390	20
35110C64502M05	50 x 2 x 0,50	43,2	834	1860	20
35110C64022M07	2 x 2 x 0,75	10,4	61	117	19
35110C64032M07	3 x 2 x 0,75	11,3	97	142	19
35110C64042M07	4 x 2 x 0,75	14	141	240	19
35110C64052M07	5 x 2 x 0,75	15,1	163	304	19
35110C64062M07	6 x 2 x 0,75	16,8	198	352	19
35110C64082M07	8 x 2 x 0,75	17,2	246	415	19
35110C64102M07	10 x 2 x 0,75	19,8	305	5,5	19
35110C64162M07	16 x 2 x 0,75	24	446	732	19
35110C64202M07	20 x 2 x 0,75	25,6	530	860	19
35110C64302M07	30 x 2 x 0,75	30,9	765	1210	19
35110C64022M10	2 x 2 x 1	11,9	72	130	18
35110C64032M10	3 x 2 x 1	12,2	104	161	18
35110C64042M10	4 x 2 x 1	16,2	186	360	18
35110C64052M10	5 x 2 x 1	17,4	231	412	18
35110C64062M10	6 x 2 x 1	18,7	260	472	18
35110C64082M10	8 x 2 x 1	19,2	322	540	18
35110C64102M10	10 x 2 x 1	22,2	382	670	18
35110C64162M10	16 x 2 x 1	26,9	578	982	18
35110C64202M10	20 x 2 x 1	29,4	810	1240	18
35110C64302M10	30 x 2 x 1	35,4	1050	1720	18
35110C64022M15	2 x 2 x 1,5	12,8	81	164	16
35110C64032M15	3 x 2 x 1,5	14,1	141	197	16
35110C64042M15	4 x 2 x 1,5	17,4	261	480	16
35110C64052M15	5 x 2 x 1,5	18,4	284	516	16
35110C64062M15	6 x 2 x 1,5	20,1	355	590	16
35110C64082M15	8 x 2 x 1,5	20,7	448	696	16
35110C64102M15	10 x 2 x 1,5	23,9	551	874	16
35110C64162M15	16 x 2 x 1,5	29,7	838	1340	16
35110C64202M15	20 x 2 x 1,5	31,7	1030	1620	16

Other dimension and colours available on request.