



UNITRONIC® LiYCY

The data cable with copper screen braiding and DIN colour code 47100



Application

UNITRONIC® LiYCY data transmission cables enlarge our UNITRONIC® 100 CY range, but with DIN colour code. These data and signal cables are used in computer systems, electronic control and office equipment, scales - always where if screened cables of small dimensions are required.

Special Feature

UNITRONIC® LiYCY with high cover copper braid screening deflects external electrical influences and ensures precise pulse transmission. The screening braid of tinned copper wire is tightly wound around the cable core and is in turn protected by a covering PVC sheath.

UNITRONIC® LiYCY data transmission cables have different coloured cores in accordance to DIN 47100 [657] but without colour repetition.

Note

Considering economic minimum quantities the outer sheath also can be produced in special colours on request. Screened electronic cables with the special UNITRONIC® colour code are available under the designation UNITRONIC® 100. For optimum earthing of the braid we recommend our glands SKINTOP® MS-SC.

Cable Make-up

Fine or multi-wire (0,34 mm²) strands of plain copper wire, PVC-based core insulation, cores twisted in layers, various colours in accord. to DIN colour code. Plastic foil wrapping. Screened braid of tinned copper wires. Outer sheath of special PVC-based compound, flame-retardant according to VDE 0482, part 265-2-1/ IEC 60332-1 (according to VDE 0472 part 804 test type b), pebble grey (RAL 7032).

Technical Data



Minimum bending radius for
für flexiblen Einsatz:
15 x Leitungsdurchmesser
fest verlegt:
6 x Leitungsdurchmesser



Temperature range:
fest verlegt: -30 °C
bis +80 °C



Conductor stranding:
Litze, feindrähtig
0,34 mm² 7-drähtig



Core ident code:
DIN 47100, ohne Farbwiederholung
siehe Tabelle T9



Conductor resistance:
siehe Tabelle T11



Insulation: specific insulation resistance:
> 20 GOhm x cm



Mutual capacitance:
A/A ca. 120 nF/km
A/S ca. 160 nF/km



Inductance:
ca. 0,65 mH/km



Peak working
voltage:
(nicht für
Starkstromzwecke)
250 V



Test voltage:
bei 0,14 mm²:
1200 V
> 0,14 mm²: 1500
V



In accordance to:
VDE 0812

Part- Number	No. of cores and mm ² per conductor	Approx. outside diameter in mm	Copper weight kg/km	Approx. weight kg/km
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For a quotation please click on a part number

UNITRONIC® LiYCY

0034 302	2 x 0,14	3,9	12,0	20,0
0034 303	3 x 0,14	4,1	13,0	28,0
0034 304	4 x 0,14	4,3	14,3	33,0
0034 305	5 x 0,14	4,6	15,5	38,0
0034 306	6 x 0,14	4,9	18,2	38,0
0034 307	7 x 0,14	4,9	19,0	49,0
0034 308	8 x 0,14	5,8	21,2	56,0
0034 310	10 x 0,14	6,1	28,5	66,0
0034 312	12 x 0,14	6,3	30,4	78,0
0034 314	14 x 0,14	6,7	32,0	80,0
0034 315	15 x 0,14	6,9	37,8	86,0
0034 316	16 x 0,14	7,0	43,0	90,0
0034 318	18 x 0,14	7,3	48,8	104,0
0034 320	20 x 0,14	7,7	53,9	116,0
0034 321	21 x 0,14	7,9	55,5	121,0
0034 325	25 x 0,14	8,4	63,0	149,0
0034 328	28 x 0,14	8,5	66,1	153,0
0034 330	30 x 0,14	8,7	69,0	158,0
0034 332	32 x 0,14	9,0	73,6	164,0
0034 336	36 x 0,14	9,3	83,0	183,0
0034 340	40 x 0,14	10,4	87,5	210,0
0034 344	44 x 0,14	10,7	110,5	225,0
0034 350	50 x 0,14	11,1	122,5	253,0
0034 402	2 x 0,25	4,5	16,0	32,0
0034 403	3 x 0,25	4,7	21,0	37,0
0034 404	4 x 0,25	5,0	24,0	41,3
0034 405	5 x 0,25	5,6	29,0	51,2
0034 406	6 x 0,25	6,0	30,0	58,0
0034 407	7 x 0,25	6,0	37,0	65,0
0034 408	8 x 0,25	7,1	42,0	73,0
0034 410	10 x 0,25	7,5	46,0	82,0

0034 412	12 x 0,25	7,7	53,0	90,0
0034 414	14 x 0,25	8,0	59,0	99,0
0034 415	15 x 0,25	8,3	61,0	111,0
0034 416	16 x 0,25	8,4	64,0	124,0
0034 418	18 x 0,25	8,8	83,0	143,0
0034 420	20 x 0,25	9,3	88,0	152,3
0034 421	21 x 0,25	9,6	93,0	161,0
0034 425	25 x 0,25	10,7	114,0	172,0
0034 428	28 x 0,25	10,8	126,0	181,1
0034 430	30 x 0,25	11,0	132,0	189,0
0034 432	32 x 0,25	11,4	138,0	203,0
0034 436	36 x 0,25	11,8	148,0	220,0
0034 440	40 x 0,25	12,7	157,0	248,0
0034 444	44 x 0,25	13,3	165,0	292,1
0034 450	50 x 0,25	13,8	178,0	318,0
0034 461	61 x 0,25	15,0	205,0	365,2
0034 502	2 x 0,34	4,9	21,0	37,0
0034 503	3 x 0,34	5,1	27,0	49,0
0034 504	4 x 0,34	5,7	28,0	59,0
0034 505	5 x 0,34	6,2	30,0	66,0
0034 506	6 x 0,34	6,8	45,0	79,0
0034 507	7 x 0,34	6,8	48,0	83,0
0034 508	8 x 0,34	7,8	52,0	94,0
0034 510	10 x 0,34	8,3	74,0	129,2
0034 512	12 x 0,34	8,5	80,0	142,0
0034 514	14 x 0,34	8,9	86,0	154,0
0034 515	15 x 0,34	9,2	90,0	155,0
0034 516	16 x 0,34	9,4	94,0	160,0
0034 518	18 x 0,34	10,2	103,0	173,0
0034 520	20 x 0,34	10,7	112,0	192,0
0034 521	21 x 0,34	11,1	116,0	199,2
0034 525	25 x 0,34	11,9	135,0	259,0
0034 528	28 x 0,34	12,0	153,0	280,0
0034 530	30 x 0,34	12,3	159,0	291,1
0034 532	32 x 0,34	13,0	165,0	305,0
0034 536	36 x 0,34	13,4	179,0	331,0
0034 540	40 x 0,34	14,8	200,0	365,0
0034 544	44 x 0,34	15,3	215,0	314,2
0034 550	50 x 0,34	15,9	235,0	431,0

0034 602	2 x 0,5	5,6	29,0	54,0
0034 603	3 x 0,5	5,9	38,0	67,0
0034 604	4 x 0,5	6,3	43,0	77,0
0034 605	5 x 0,5	7,0	51,0	90,0
0034 606	6 x 0,5	7,6	59,0	104,0
0034 607	7 x 0,5	7,6	65,0	112,0
0034 608	8 x 0,5	8,7	70,0	135,0
0034 610	10 x 0,5	9,3	88,0	160,0
0034 612	12 x 0,5	9,6	99,0	177,0
0034 618	18 x 0,5	11,8	134,0	239,0
0034 620	20 x 0,5	12,1	149,0	276,0
0034 625	25 x 0,5	13,7	211,0	352,0
0034 630	30 x 0,5	14,5	230,0	397,0
0034 702	2 x 0,75	6,0	38,0	64,0
0034 703	3 x 0,75	6,3	49,0	76,0
0034 704	4 x 0,75	7,0	58,0	92,0
0034 705	5 x 0,75	7,6	67,0	109,0
0034 707	7 x 0,75	8,2	100,0	156,0
0034 710	10 x 0,75	10,5	130,0	187,0
0034 712	12 x 0,75	10,8	154,0	218,0
0034 718	18 x 0,75	13,0	195,0	327,0
0034 725	25 x 0,75	15,3	280,0	454,0
0034 730	30 x 0,75	15,8	312,0	486,0
0034 802	2 x 1,0	6,3	43,0	72,0
0034 803	3 x 1,0	6,8	56,0	90,0
0034 804	4 x 1,0	7,3	68,0	109,0
0034 805	5 x 1,0	8,0	79,0	126,0
0034 807	7 x 1,0	8,6	118,0	171,0
0034 810	10 x 1,0	11,1	140,0	228,0
0034 812	12 x 1,0	11,4	168,0	259,0
0034 818	18 x 1,0	13,4	252,0	389,0
0034 825	25 x 1,0	16,2	335,0	517,0
0034 902	2 x 1,5	7,5	58,0	90,0
0034 903	3 x 1,5	7,9	74,0	115,0
0034 904	4 x 1,5	8,5	108,0	153,0
0034 905	5 x 1,5	9,3	129,0	176,0
0034 907	7 x 1,5	10,5	164,0	220,0
0034 912	12 x 1,5	13,7	254,0	376,0

0034 918	18 x 1,5	16,3	350,0	519,0
0034 925	25 x 1,5	19,9	550,0	901,0

No cutting charge for standard stock units (100, 500, 1000 m).

Please declare us your desired design (e.g. 1 x 500 m drum or 5 x 100 coils).

Coils < 30 kg, beyond automatically drums.