

Data & Sensor Cables

LiYCY

Multi-conductor signal and control cable with overall tinned copper braid DIN color code



BRÖCKSKES · D-VIERSEN · LiYCY 5x0.25mm² CE



Marking for LiYCY 03150525:

SAB BRÖCKSKES · D-VIERSEN · LiYCY 5x0.25mm² CE

Construction:

Conductor:	bare copper strands with reference to VDE 0812
Insulation:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	DIN 47100, see page O/26
Stranding:	in layers
Wrapping:	PETP foil
Shielding:	tinned copper braiding
Jacket material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Jacket color:	grayish tan (RAL 7032)

Outstanding features:



- good EMC characteristics
- flexible
- small outer diameter
- small bending radius

Technical data:

Peak operating voltage:	< 24 AWG = max. 350 V ≥ 24 AWG = max. 500 V
Testing voltage:	conductor/conductor: 1500 V conductor/shielding: 1200 V
Min. bending radius:	5 x O.D. <i>fixed installation:</i> 10 x O.D. <i>free movement:</i>
Capacitance:	see page O/9
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range:	<i>static:</i> -30/+70°C <i>flexible:</i> -5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	acc. to internal standard, see page O/29
Chemical resistance:	see page O/11
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ 26 AWG (≈ 18/38) ▪ 0.14 mm²				
03150214	2	0.142	3.6	12
03150314	3	0.150	3.8	14
03150414	4	0.157	4.0	16
03150514	5	0.169	4.3	19
03150614	6	0.181	4.6	22
03150714	7	0.181	4.6	22
03150814	8	0.213	5.4	30
03151014	10	0.228	5.8	32
03151214	12	0.244	6.2	37
03151414	14	0.252	6.4	41
03151614	16	0.264	6.7	46
03151814	18	0.276	7.0	50
03152014	20	0.287	7.3	55
03152114	21	0.299	7.6	58
03152414	24	0.315	8.0	62
03152514	25	0.339	8.6	69
03152714	27	0.339	8.6	71
03153014	30	0.346	8.8	78
03153214	32	0.358	9.1	82
03153614	36	0.370	9.4	89
03154014	40	0.394	10.0	99
03154414	44	0.417	10.6	113
03154814	48	0.425	10.8	119
03155014	50	0.433	11.0	123
03155214	52	0.433	11.0	126
03155614	56	0.445	11.3	136
03156114	61	0.457	11.6	143

item no.	no. of conductors	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ 24 AWG (≈ 14/34) ▪ 0.25 mm²				
03150125	1	0.106	2.7	9
03150225	2	0.154	3.9	15
03150325	3	0.161	4.1	17
03150425	4	0.173	4.4	21
03150525	5	0.193	4.9	26
03150625	6	0.209	5.3	30
03150725	7	0.209	5.3	31
03150825	8	0.240	6.1	40
03150925	9	0.256	6.5	45
03151025	10	0.260	6.6	44
03151225	12	0.268	6.8	49
03151425	14	0.280	7.1	54
03151525	15	0.291	7.4	60
03151625	16	0.291	7.4	61
03151825	18	0.307	7.8	69
03152025	20	0.335	8.5	79
03152125	21	0.346	8.8	84
03152425	24	0.366	9.3	89
03152525	25	0.374	9.5	93
03152725	27	0.374	9.5	97
03153025	30	0.386	9.8	105
03153225	32	0.398	10.1	112
03153625	36	0.421	10.7	131
03154025	40	0.445	11.3	146
03154425	44	0.465	11.8	154
03154825	48	0.488	12.4	171
03155025	50	0.500	12.7	176
03155225	52	0.500	12.7	181
03155625	56	0.512	13.0	194
03156125	61	0.528	13.4	206

item no.	no. of conductors	nominal outer-ø ± 5% inch	± 5% mm	cable weight ≈lbs/mft
▶ 22 AWG (≈ 7/30) ▪ 0.34 mm²				
03150234	2	0.177	4.5	19
03150334	3	0.193	4.9	24
03150434	4	0.209	5.3	29
03150534	5	0.224	5.7	35
03150634	6	0.252	6.4	43
03150734	7	0.252	6.4	44
03150834	8	0.283	7.2	54
03151034	10	0.307	7.8	60
03151234	12	0.315	8.0	67
03151434	14	0.346	8.8	81
03151634	16	0.362	9.2	90
03151834	18	0.382	9.7	101
03152034	20	0.398	10.1	110
03152134	21	0.421	10.7	124
03152434	24	0.445	11.3	134
03152734	27	0.453	11.5	145
03153034	30	0.469	11.9	157
03153234	32	0.500	12.7	173
03153634	36	0.520	13.2	191
03154034	40	0.551	14.0	212
03154234	42	0.551	14.0	219
03154434	44	0.575	14.6	224
03154834	48	0.583	14.8	239
03155034	50	0.622	15.8	270
03155234	52	0.622	15.8	277
03155634	56	0.638	16.2	294
03156134	61	0.657	16.7	312

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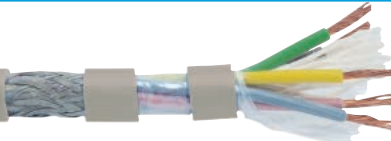
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item no.	no. of conductors	nominal outer-ø ± 5% inch	outer-ø ± 5% mm	cable weight ≈lbs/mft
▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²				
03150150	1	0.126	3.2	13
03150250	2	0.197	5.0	24
03150350	3	0.205	5.2	28
03150450	4	0.220	5.6	34
03150550	5	0.248	6.3	43
03150650	6	0.268	6.8	50
03150750	7	0.268	6.8	52
03150850	8	0.307	7.8	67
03151050	10	0.346	8.8	77
03151250	12	0.354	9.0	86
03151450	14	0.370	9.4	96
03151650	16	0.390	9.9	109
03151850	18	0.417	10.6	128
03152050	20	0.437	11.1	140
03152150	21	0.457	11.6	151
03152450	24	0.496	12.6	167
03152550	25	0.504	12.8	172
03152750	27	0.504	12.8	181
03153050	30	0.520	13.2	197
03153250	32	0.539	13.7	209
03153650	36	0.559	14.2	231
03154050	40	0.622	15.8	280
03154250	42	0.622	15.8	288
03155050	50	0.669	17.0	327
03155250	52	0.669	17.0	336
03156150	61	0.709	18.0	380

item no.	no. of conductors	nominal outer-ø ± 5% inch	outer-ø ± 5% mm	cable weight ≈lbs/mft
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
03150175	1	0.138	3.5	15
03150275	2	0.220	5.6	30
03150375	3	0.240	6.1	38
03150475	4	0.260	6.6	46
03150575	5	0.280	7.1	56
03150675	6	0.303	7.7	67
03150775	7	0.303	7.7	69
03150875	8	0.362	9.2	91
03151075	10	0.394	10.0	101
03151275	12	0.413	10.5	123
03151475	14	0.433	11.0	136
03151675	16	0.453	11.5	155
03151875	18	0.488	12.4	177
03152175	21	0.535	13.6	206
03152475	24	0.567	14.4	224
03152775	27	0.579	14.7	244
03153075	30	0.622	15.8	288
03153275	32	0.642	16.3	304
03153675	36	0.665	16.9	333

item no.	no. of conductors	nominal outer-ø ± 5% inch	outer-ø ± 5% mm	cable weight ≈lbs/mft
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
03150180	1	0.142	3.6	17
03150280	2	0.228	5.8	34
03150380	3	0.248	6.3	43
03150480	4	0.268	6.8	53
03150580	5	0.291	7.4	65
03150680	6	0.315	8.0	76
03150780	7	0.315	8.0	81
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
03150185	1	0.150	3.8	21
03150285	2	0.256	6.5	46
03150385	3	0.268	6.8	53
03150485	4	0.291	7.4	66
03150585	5	0.339	8.6	88
03150685	6	0.366	9.3	104
03150785	7	0.366	9.3	110

Other dimensions and colors are available on request

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