



USE OF CABLE

data transmission cable, control and connecting cable predominantly for transmission of analog and digital signals in process controlled facilities in measurement and control technology for lossless transmission of data and signals. For fixed laying and flexible applications with undefined cable routing and without tensile stress. Suitable for use in dry and humid rooms. Outdoor use only with UV-protection, no laying underground.



SPECIAL FEATURES

- largely resistant to acids, bases and specified types of oil
- LABS-/silicone-free (during production)
- recommended for EMC-applications

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 5; exception: 0,34 mm ² , stranded (7 x 0,25 mm)
Core insulation:	PVC
Core identification:	Acc. to DIN 47100 different colours
Stranding:	Stranded in layers
Shield3:	Copper braid tinned, coverage approx. 85%
Outer sheath:	PVC
Sheath colour:	Grey, RAL 7001; LIYCY single core: grey RAL 7001 or transparent
Rated voltage:	U ₀ /U: 250 V; peak-voltage on 0,14 mm ² 350 V; > 0,14 mm ² 500 V
Testing voltage:	On 0,14 mm ² core/core: 1,2 kV; core/shield: 1,0 kV > 0,14 mm ² : core/core: 1,5 kV; core/shield: 1,0 kV
Conductor resistance:	Acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 20 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE, see Technical Guidelines
Capacity:	Core/core ca. 120 nF/km; core/shield ca. 160 nF/km
Min. bending radius fixed:	Up to 12 mm Ø 5 x d; up to 20 mm Ø 7,5 x d; > 20 mm Ø 10 x d
Min. bending radius moved:	Up to 12 mm Ø 10 x d; up to 20 mm Ø 15 x d; > 20 mm Ø 20 x d
Operat. temp. fixed min/max:	-30 °C / +80 °C
Operat. temp. moved min/max:	-5 °C / +70 °C
Burning behavior:	Self-extinguishing & flame-retardant acc. to IEC 60332-1
Standard:	Similar to DIN VDE 0812

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500302	2 X 0,14	3,7	12,00	18,00	grey	V1: ELITRONIC-CY LIYCY
0500325	3 X 0,14	3,8	13,00	22,00	grey	V1: ELITRONIC-CY LIYCY
0500335	4 X 0,14	4,1	14,30	25,00	grey	V1: ELITRONIC-CY LIYCY
0500345	5 X 0,14	4,6	15,50	31,00	grey	V1: ELITRONIC-CY LIYCY
0500351	6 X 0,14	4,8	18,20	34,00	grey	V1: ELITRONIC-CY LIYCY
0500357	7 X 0,14	4,9	19,00	38,00	grey	V1: ELITRONIC-CY LIYCY
0500361	8 X 0,14	5,3	24,00	41,00	grey	V1: ELITRONIC-CY LIYCY
0500254	10 X 0,14	5,9	29,00	49,00	grey	V1: ELITRONIC-CY LIYCY
0500261	12 X 0,14	6,1	32,10	54,00	grey	V1: ELITRONIC-CY LIYCY
0500268	14 X 0,14	6,4	35,00	63,00	grey	V1: ELITRONIC-CY LIYCY
0500274	16 X 0,14	7,0	43,00	68,00	grey	V1: ELITRONIC-CY LIYCY
0500278	18 X 0,14	7,1	46,70	73,00	grey	V1: ELITRONIC-CY LIYCY
0500282	20 X 0,14	7,4	63,00	79,00	grey	V1: ELITRONIC-CY LIYCY
0500286	21 X 0,14	7,5	55,50	80,00	grey	V1: ELITRONIC-CY LIYCY
0500292	24 X 0,14	8,1	60,40	98,00	grey	V1: ELITRONIC-CY LIYCY
0500295	25 X 0,14	8,2	63,00	103,00	grey	V1: ELITRONIC-CY LIYCY

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500298	27 X 0,14	8,3	65,00	104,00	grey	V1: ELITRONIC-CY LIYCY
0500301	28 X 0,14	8,4	66,10	113,00	grey	V1: ELITRONIC-CY LIYCY
0500312	32 X 0,14	8,8	79,50	124,00	grey	V1: ELITRONIC-CY LIYCY
0500317	36 X 0,14	9,3	85,00	131,00	grey	V1: ELITRONIC-CY LIYCY
0501487	37 X 0,14	9,4	86,50	133,00	grey	V1: ELITRONIC-CY LIYCY
0500331	40 X 0,14	10,0	101,00	152,00	grey	V1: ELITRONIC-CY LIYCY
0506921	44 X 0,14	10,7	111,00	168,00	grey	V1: ELITRONIC-CY LIYCY
0500341	50 X 0,14	11,1	123,00	183,00	grey	V1: ELITRONIC-CY LIYCY
0506922	50 X 0,14	11,1	123,00	183,00	grey	V1: ELITRONIC-CY LIYCY
0500344	52 X 0,14	11,4	126,00	191,00	grey	V1: ELITRONIC-CY LIYCY
0500633	61 X 0,14	12,4	142,00	232,00	grey	V1: ELITRONIC-CY LIYCY
0500307	2 X 0,25	4,3	16,00	27,00	grey	V1: ELITRONIC-CY LIYCY
0500327	3 X 0,25	4,4	21,00	30,00	grey	V1: ELITRONIC-CY LIYCY
0500337	4 X 0,25	4,8	24,00	35,00	grey	V1: ELITRONIC-CY LIYCY
0500348	5 X 0,25	5,3	29,00	44,00	grey	V1: ELITRONIC-CY LIYCY
0500355	6 X 0,25	5,7	30,00	49,00	grey	V1: ELITRONIC-CY LIYCY
0500358	7 X 0,25	5,8	37,00	52,00	grey	V1: ELITRONIC-CY LIYCY
0500365	8 X 0,25	6,2	42,00	59,00	grey	V1: ELITRONIC-CY LIYCY
0506523	9 X 0,25	6,4	44,00	71,00	grey	V1: ELITRONIC-CY LIYCY
0500259	10 X 0,25	7,1	46,00	71,00	grey	V1: ELITRONIC-CY LIYCY
0500265	12 X 0,25	7,3	59,00	79,00	grey	V1: ELITRONIC-CY LIYCY
0500270	14 X 0,25	7,7	62,00	88,00	grey	V1: ELITRONIC-CY LIYCY
0500276	16 X 0,25	8,1	64,00	105,00	grey	V1: ELITRONIC-CY LIYCY
0500280	18 X 0,25	8,5	83,00	114,00	grey	V1: ELITRONIC-CY LIYCY
0500285	20 X 0,25	8,9	88,00	124,00	grey	V1: ELITRONIC-CY LIYCY
0500288	21 X 0,25	9,0	93,00	126,00	grey	V1: ELITRONIC-CY LIYCY
0500293	24 X 0,25	10,4	112,00	156,00	grey	V1: ELITRONIC-CY LIYCY
0500297	25 X 0,25	10,5	114,00	164,00	grey	V1: ELITRONIC-CY LIYCY
0500299	27 X 0,25	10,6	123,00	167,00	grey	V1: ELITRONIC-CY LIYCY
0506923	28 X 0,25	10,8	126,00	169,00	grey	V1: ELITRONIC-CY LIYCY
0500314	32 X 0,25	11,2	138,00	203,00	grey	V1: ELITRONIC-CY LIYCY
0500320	36 X 0,25	11,8	148,00	210,00	grey	V1: ELITRONIC-CY LIYCY
0500332	40 X 0,25	12,3	157,00	229,00	grey	V1: ELITRONIC-CY LIYCY
0506924	44 X 0,25	13,2	165,00	255,00	grey	V1: ELITRONIC-CY LIYCY
0507248	48 X 0,25	13,6	175,00	284,00	grey	V1: ELITRONIC-CY LIYCY
0500342	50 X 0,25	13,8	178,00	298,00	grey	V1: ELITRONIC-CY LIYCY
0502336	50 X 0,25	13,8	178,00	298,00	grey	V1: ELITRONIC-CY LIYCY
0502661	56 X 0,25	14,6	189,00	342,00	grey	V1: ELITRONIC-CY LIYCY
0500649	61 X 0,25	15,0	205,00	347,00	grey	V1: ELITRONIC-CY LIYCY
0506925	61 X 0,25	15,0	205,00	347,00	grey	V1: ELITRONIC-CY LIYCY
0500308	2 X 0,34	4,7	21,00	31,00	grey	V1: ELITRONIC-CY LIYCY
0500329	3 X 0,34	4,9	27,00	40,00	grey	V1: ELITRONIC-CY LIYCY
0500339	4 X 0,34	5,4	28,00	48,00	grey	V1: ELITRONIC-CY LIYCY
0500349	5 X 0,34	5,8	30,00	53,00	grey	V1: ELITRONIC-CY LIYCY
0500356	6 X 0,34	6,3	45,00	60,00	grey	V1: ELITRONIC-CY LIYCY
0500359	7 X 0,34	6,4	48,00	65,00	grey	V1: ELITRONIC-CY LIYCY
0500366	8 X 0,34	7,0	52,00	75,00	grey	V1: ELITRONIC-CY LIYCY
0500260	10 X 0,34	7,9	74,00	89,00	grey	V1: ELITRONIC-CY LIYCY
0500264	12 X 0,34	8,2	80,00	113,00	grey	V1: ELITRONIC-CY LIYCY
0500272	14 X 0,34	8,6	86,00	120,00	grey	V1: ELITRONIC-CY LIYCY
0500277	16 X 0,34	9,0	94,00	132,00	grey	V1: ELITRONIC-CY LIYCY
0500281	18 X 0,34	9,8	103,00	144,00	grey	V1: ELITRONIC-CY LIYCY
0500287	20 X 0,34	10,5	112,00	169,00	grey	V1: ELITRONIC-CY LIYCY
0500289	21 X 0,34	10,7	116,00	172,00	grey	V1: ELITRONIC-CY LIYCY
0500291	24 X 0,34	11,7	132,00	199,00	grey	V1: ELITRONIC-CY LIYCY
0506926	25 X 0,34	11,7	135,00	209,00	grey	V1: ELITRONIC-CY LIYCY
0500300	27 X 0,34	11,8	148,00	217,00	grey	V1: ELITRONIC-CY LIYCY
0506927	28 X 0,34	11,9	153,00	227,00	grey	V1: ELITRONIC-CY LIYCY
0500311	30 X 0,34	12,2	159,00	235,00	grey	V1: ELITRONIC-CY LIYCY
0500315	32 X 0,34	12,5	165,00	247,00	grey	V1: ELITRONIC-CY LIYCY
0500321	36 X 0,34	13,2	179,00	277,00	grey	V1: ELITRONIC-CY LIYCY
0500333	40 X 0,34	14,1	200,00	316,00	grey	V1: ELITRONIC-CY LIYCY
0506928	44 X 0,34	15,3	215,00	350,00	grey	V1: ELITRONIC-CY LIYCY
0501782	50 X 0,34	15,9	235,00	387,00	grey	V1: ELITRONIC-CY LIYCY
0500794	50 X 0,34	15,9	235,00	387,00	grey	V1: ELITRONIC-CY LIYCY
0500350	61 X 0,34	16,8	298,00	423,00	grey	V1: ELITRONIC-CY LIYCY
0507287	61 X 0,34	16,8	298,00	610,00	grey	V1: ELITRONIC-CY LIYCY
0500580	2 X 0,5	5,2	29,00	40,00	grey	V1: ELITRONIC-CY LIYCY
0500600	3 X 0,5	5,5	38,00	46,00	grey	V1: ELITRONIC-CY LIYCY
0500619	4 X 0,5	6,0	43,00	54,00	grey	V1: ELITRONIC-CY LIYCY
0500640	5 X 0,5	6,3	51,00	63,00	grey	V1: ELITRONIC-CY LIYCY
0500658	6 X 0,5	7,0	59,00	75,00	grey	V1: ELITRONIC-CY LIYCY

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500653	7 X 0,5	7,2	65,00	82,00	grey	V1: ELITRONIC-CY LIYCY
0500667	8 X 0,5	7,7	70,00	92,00	grey	V1: ELITRONIC-CY LIYCY
0503298	9 X 0,5	8,1	68,30	101,00	grey	V1: ELITRONIC-CY LIYCY
0500530	10 X 0,5	8,8	88,00	118,00	grey	V1: ELITRONIC-CY LIYCY
0500534	12 X 0,5	9,1	99,00	132,00	grey	V1: ELITRONIC-CY LIYCY
0500547	16 X 0,5	10,6	125,00	175,00	grey	V1: ELITRONIC-CY LIYCY
0500551	18 X 0,5	11,1	134,00	195,00	grey	V1: ELITRONIC-CY LIYCY
0500559	20 X 0,5	11,9	149,00	212,00	grey	V1: ELITRONIC-CY LIYCY
0500566	24 X 0,5	12,8	189,00	254,00	grey	V1: ELITRONIC-CY LIYCY
0500570	25 X 0,5	13,3	211,00	266,00	grey	V1: ELITRONIC-CY LIYCY
0500575	27 X 0,5	13,7	223,00	287,00	grey	V1: ELITRONIC-CY LIYCY
0501811	30 X 0,5	14,0	230,00	318,00	grey	V1: ELITRONIC-CY LIYCY
0500595	32 X 0,5	14,2	242,00	340,00	grey	V1: ELITRONIC-CY LIYCY
0500610	40 X 0,5	15,6	345,00	428,00	grey	V1: ELITRONIC-CY LIYCY
0502662	50 X 0,5	16,2	407,00	517,00	grey	V1: ELITRONIC-CY LIYCY
0500586	2 X 0,75	5,9	38,00	48,00	grey	V1: ELITRONIC-CY LIYCY
0500602	3 X 0,75	6,1	49,00	57,00	grey	V1: ELITRONIC-CY LIYCY
0500623	4 X 0,75	6,7	58,00	77,00	grey	V1: ELITRONIC-CY LIYCY
0500641	5 X 0,75	7,3	67,00	98,00	grey	V1: ELITRONIC-CY LIYCY
0500650	6 X 0,75	7,9	85,00	115,00	grey	V1: ELITRONIC-CY LIYCY
0500655	7 X 0,75	8,1	100,00	120,00	grey	V1: ELITRONIC-CY LIYCY
0500659	8 X 0,75	8,4	118,00	139,00	grey	V1: ELITRONIC-CY LIYCY
0506443	9 X 0,75	9,2	120,00	157,00	grey	V1: ELITRONIC-CY LIYCY
0500531	10 X 0,75	10,5	130,00	164,00	grey	V1: ELITRONIC-CY LIYCY
0500537	12 X 0,75	10,8	154,00	196,00	grey	V1: ELITRONIC-CY LIYCY
0500548	16 X 0,75	11,9	183,00	262,00	grey	V1: ELITRONIC-CY LIYCY
0500552	18 X 0,75	12,6	195,00	284,00	grey	V1: ELITRONIC-CY LIYCY
0500567	24 X 0,75	15,0	262,00	357,00	grey	V1: ELITRONIC-CY LIYCY
0500571	25 X 0,75	15,2	280,00	361,00	grey	V1: ELITRONIC-CY LIYCY
0500594	30 X 0,75	16,0	315,00	443,00	grey	V1: ELITRONIC-CY LIYCY
0504014	34 X 0,75	16,8	350,00	494,00	grey	V1: ELITRONIC-CY LIYCY
0507309	36 X 0,75	17,4	370,00	529,00	grey	V1: ELITRONIC-CY LIYCY
0500654	61 X 0,75	22,0	555,00	898,00	grey	V1: ELITRONIC-CY LIYCY
0500588	2 X 1	6,1	43,00	55,00	grey	V1: ELITRONIC-CY LIYCY
0500606	3 X 1	6,5	56,00	80,00	grey	V1: ELITRONIC-CY LIYCY
0500626	4 X 1	7,0	68,00	97,00	grey	V1: ELITRONIC-CY LIYCY
0500644	5 X 1	7,6	79,00	116,00	grey	V1: ELITRONIC-CY LIYCY
0500661	6 X 1	8,0	95,00	129,00	grey	V1: ELITRONIC-CY LIYCY
0500665	7 X 1	8,4	118,00	136,00	grey	V1: ELITRONIC-CY LIYCY
0507308	8 X 1	9,0	135,00	155,00	grey	V1: ELITRONIC-CY LIYCY
0500673	9 X 1	9,3	136,00	176,00	grey	V1: ELITRONIC-CY LIYCY
0500532	10 X 1	10,9	140,00	197,00	grey	V1: ELITRONIC-CY LIYCY
0500538	12 X 1	11,4	168,00	227,00	grey	V1: ELITRONIC-CY LIYCY
0500553	18 X 1	13,4	252,00	325,00	grey	V1: ELITRONIC-CY LIYCY
0500775	20 X 1	14,5	290,00	361,00	grey	V1: ELITRONIC-CY LIYCY
0500568	24 X 1	15,6	320,00	496,00	grey	V1: ELITRONIC-CY LIYCY
0506908	25 X 1	16,2	335,00	459,00	grey	V1: ELITRONIC-CY LIYCY
0500589	2 X 1,5	7,1	58,00	86,00	grey	V1: ELITRONIC-CY LIYCY
0500605	3 X 1,5	7,4	74,00	107,00	grey	V1: ELITRONIC-CY LIYCY
0500628	4 X 1,5	8,1	108,00	119,00	grey	V1: ELITRONIC-CY LIYCY
0500645	5 X 1,5	8,9	129,00	142,00	grey	V1: ELITRONIC-CY LIYCY
0500657	7 X 1,5	9,8	164,00	193,00	grey	V1: ELITRONIC-CY LIYCY
0500670	8 X 1,5	11,3	192,00	255,00	grey	V1: ELITRONIC-CY LIYCY
0506349	9 X 1,5	11,9	210,00	273,00	grey	V1: ELITRONIC-CY LIYCY
0500539	12 X 1,5	13,0	254,00	312,00	grey	V1: ELITRONIC-CY LIYCY
0500554	18 X 1,5	15,9	350,00	465,00	grey	V1: ELITRONIC-CY LIYCY
0501551	25 X 1,5	19,2	550,00	618,00	grey	V1: ELITRONIC-CY LIYCY
0506612	3 X 2,5	8,5	118,00	145,00	grey	V1: ELITRONIC-CY LIYCY
0500629	4 X 2,5	9,1	150,00	195,00	grey	V1: ELITRONIC-CY LIYCY
0500646	5 X 2,5	10,5	181,50	247,00	grey	V1: ELITRONIC-CY LIYCY
0500666	7 X 2,5	13,7	231,20	341,00	grey	V1: ELITRONIC-CY LIYCY
0500563	1 X 0,14	2,6	6,00	12,80	grey	V2: ELITRONIC-CY LIYCY - Einzelader, grau / single core, grey
0500523	1 X 0,25	3,0	7,50	17,50	grey	V2: ELITRONIC-CY LIYCY - Einzelader, grau / single core, grey
0500524	1 X 0,50	3,4	10,20	20,00	grey	V2: ELITRONIC-CY LIYCY - Einzelader, grau / single core, grey
0500525	1 X 0,75	3,6	15,70	31,00	grey	V2: ELITRONIC-CY LIYCY - Einzelader, grau / single core, grey

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500526	1 X 1,00	3,7	23,80	32,00	grey	V2: ELITRONIC-CY LIYCY - Einzelader, grau / single core, grey
0500527	1 X 1,50	4,0	25,20	39,00	grey	V2: ELITRONIC-CY LIYCY - Einzelader, grau / single core, grey
0500774	1 X 2,50	5,8	37,60	55,30	grey	V2: ELITRONIC-CY LIYCY - Einzelader, grau / single core, grey
0502629	1 X 4	6,0	70,00	85,00	grey	V2: ELITRONIC-CY LIYCY - Einzelader, grau / single core, grey
0501025	1 X 0,14	2,6	6,00	12,80	transparent	V3: ELITRONIC-CY LIYCY - Einzelader, transp. / single core, transp.
0501026	1 X 0,25	3,0	7,50	17,50	transparent	V3: ELITRONIC-CY LIYCY - Einzelader, transp. / single core, transp.
0501027	1 X 0,50	3,4	10,20	20,00	transparent	V3: ELITRONIC-CY LIYCY - Einzelader, transp. / single core, transp.
0501030	1 X 0,75	3,6	15,70	31,00	transparent	V3: ELITRONIC-CY LIYCY - Einzelader, transp. / single core, transp.
0501031	1 X 1,00	3,7	23,80	32,00	transparent	V3: ELITRONIC-CY LIYCY - Einzelader, transp. / single core, transp.
0501032	1 X 1,50	4,0	25,20	39,00	transparent	V3: ELITRONIC-CY LIYCY - Einzelader, transp. / single core, transp.
0501033	1 X 2,50	5,8	37,60	55,30	transparent	V3: ELITRONIC-CY LIYCY - Einzelader, transp. / single core, transp.

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