



## 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 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-free (during production)

## 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 <sup>2</sup> , stranded (7 x 0,25 mm)
Core insulation:	PVC
Core identification:	Acc. to DIN 47100 different colours
Stranding:	Stranded in layers
Outer sheath:	PVC
Sheath colour:	Grey, RAL 7001
Rated voltage:	U <sub>0</sub> /U: 250 V; peak-voltage on 0,14 mm <sup>2</sup> 350 V; > 0,14 mm <sup>2</sup> 500 V
Testing voltage:	On 0,14 mm <sup>2</sup> core/core: 1,2 kV; > 0,14 mm <sup>2</sup> : core/core: 1,5 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:	Ca. 120 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 VDE 0812

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500158	2 X 0,14	3,1	2,70	12,00	grey	V0: ELITRONIC LIYY
0500186	3 X 0,14	3,2	4,00	13,00	grey	V0: ELITRONIC LIYY
0500202	4 X 0,14	3,5	5,40	16,00	grey	V0: ELITRONIC LIYY
0500226	5 X 0,14	3,9	6,70	21,00	grey	V0: ELITRONIC LIYY
0500239	6 X 0,14	4,2	8,10	25,00	grey	V0: ELITRONIC LIYY
0500241	7 X 0,14	4,3	9,40	28,00	grey	V0: ELITRONIC LIYY
0500246	8 X 0,14	4,6	10,80	30,00	grey	V0: ELITRONIC LIYY
0503041	9 X 0,14	5,0	12,10	34,00	grey	V0: ELITRONIC LIYY
0500110	10 X 0,14	5,2	13,40	38,00	grey	V0: ELITRONIC LIYY

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500117	12 X 0,14	5,6	16,10	44,00	grey	V0: ELITRONIC LIYY
0500123	14 X 0,14	5,8	18,80	48,00	grey	V0: ELITRONIC LIYY
0500130	16 X 0,14	6,1	21,50	54,00	grey	V0: ELITRONIC LIYY
0500895	18 X 0,14	6,7	24,20	59,00	grey	V0: ELITRONIC LIYY
0500137	20 X 0,14	6,8	26,90	65,00	grey	V0: ELITRONIC LIYY
0500141	21 X 0,14	7,0	28,20	74,00	grey	V0: ELITRONIC LIYY
0500145	24 X 0,14	7,3	32,20	75,00	grey	V0: ELITRONIC LIYY
0500148	25 X 0,14	7,6	33,60	78,00	grey	V0: ELITRONIC LIYY
0500151	27 X 0,14	7,7	36,30	83,00	grey	V0: ELITRONIC LIYY
0500153	28 X 0,14	7,8	37,60	87,00	grey	V0: ELITRONIC LIYY
0500172	30 X 0,14	8,0	40,30	90,00	grey	V0: ELITRONIC LIYY
0500175	32 X 0,14	8,2	43,00	112,00	grey	V0: ELITRONIC LIYY
0500182	36 X 0,14	8,6	48,40	116,00	grey	V0: ELITRONIC LIYY
0506909	37 X 0,14	8,8	49,70	120,00	grey	V0: ELITRONIC LIYY
0500196	40 X 0,14	9,3	53,80	129,00	grey	V0: ELITRONIC LIYY
0500937	44 X 0,14	10,0	59,10	142,00	grey	V0: ELITRONIC LIYY
0500220	50 X 0,14	10,4	67,20	158,00	grey	V0: ELITRONIC LIYY
0500947	50 X 0,14	10,4	67,20	158,00	grey	V0: ELITRONIC LIYY
0500949	52 X 0,14	10,6	69,90	161,00	grey	V0: ELITRONIC LIYY
0500224	52 X 0,14	10,6	69,90	161,00	grey	V0: ELITRONIC LIYY
0506912	56 X 0,14	10,7	75,30	172,00	grey	V0: ELITRONIC LIYY
0500954	56 X 0,14	10,7	75,30	172,00	grey	V0: ELITRONIC LIYY
0506913	61 X 0,14	11,3	82,00	184,00	grey	V0: ELITRONIC LIYY
0500233	61 X 0,14	11,3	82,00	184,00	grey	V0: ELITRONIC LIYY
0500163	2 X 0,25	3,8	4,80	17,00	grey	V0: ELITRONIC LIYY
0500191	3 X 0,25	3,9	7,20	20,00	grey	V0: ELITRONIC LIYY
0500216	4 X 0,25	4,3	9,60	25,00	grey	V0: ELITRONIC LIYY
0500232	5 X 0,25	4,7	12,00	32,00	grey	V0: ELITRONIC LIYY
0500240	6 X 0,25	5,0	14,40	37,00	grey	V0: ELITRONIC LIYY
0500245	7 X 0,25	5,1	16,80	40,00	grey	V0: ELITRONIC LIYY
0500248	8 X 0,25	5,7	19,20	47,00	grey	V0: ELITRONIC LIYY
0500114	10 X 0,25	6,4	24,00	57,00	grey	V0: ELITRONIC LIYY
0500116	12 X 0,25	6,7	28,80	62,00	grey	V0: ELITRONIC LIYY
0500124	14 X 0,25	7,2	33,60	73,00	grey	V0: ELITRONIC LIYY
0500128	15 X 0,25	7,3	36,00	77,00	grey	V0: ELITRONIC LIYY
0500132	16 X 0,25	7,5	38,40	82,00	grey	V0: ELITRONIC LIYY
0500135	18 X 0,25	7,9	43,20	91,00	grey	V0: ELITRONIC LIYY
0500139	20 X 0,25	8,3	48,00	102,00	grey	V0: ELITRONIC LIYY

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500143	21 X 0,25	8,9	50,40	106,00	grey	V0: ELITRONIC LIYY
0500146	24 X 0,25	9,6	57,60	122,00	grey	V0: ELITRONIC LIYY
0500149	25 X 0,25	9,8	60,00	136,00	grey	V0: ELITRONIC LIYY
0502623	27 X 0,25	10,0	64,80	147,00	grey	V0: ELITRONIC LIYY
0500174	30 X 0,25	10,3	72,00	155,00	grey	V0: ELITRONIC LIYY
0500177	32 X 0,25	10,5	76,80	164,00	grey	V0: ELITRONIC LIYY
0500184	36 X 0,25	11,1	86,40	181,00	grey	V0: ELITRONIC LIYY
0500198	40 X 0,25	11,7	96,00	198,00	grey	V0: ELITRONIC LIYY
0500948	50 X 0,25	13,2	120,00	264,00	grey	V0: ELITRONIC LIYY
0501845	50 X 0,25	13,2	120,00	264,00	grey	V0: ELITRONIC LIYY
0500225	52 X 0,25	14,0	130,00	275,00	grey	V0: ELITRONIC LIYY
0500235	61 X 0,25	14,2	146,00	308,00	grey	V0: ELITRONIC LIYY
0506916	61 X 0,25	14,2	146,00	308,00	grey	V0: ELITRONIC LIYY
0500170	2 X 0,34	4,2	6,50	22,00	grey	V0: ELITRONIC LIYY
0500194	3 X 0,34	4,4	9,80	26,00	grey	V0: ELITRONIC LIYY
0500218	4 X 0,34	4,8	13,10	34,00	grey	V0: ELITRONIC LIYY
0507640	5 X 0,34	5,5	16,30	41,00	black	V0: ELITRONIC LIYY
0500231	5 X 0,34	5,5	16,30	41,00	grey	V0: ELITRONIC LIYY
0500238	6 X 0,34	5,7	19,60	48,00	grey	V0: ELITRONIC LIYY
0500247	7 X 0,34	5,9	22,90	53,00	grey	V0: ELITRONIC LIYY
0500251	8 X 0,34	6,5	26,10	61,00	grey	V0: ELITRONIC LIYY
0506442	9 X 0,34	7,3	29,40	67,00	grey	V0: ELITRONIC LIYY
0500115	10 X 0,34	7,3	32,60	74,00	grey	V0: ELITRONIC LIYY
0500122	12 X 0,34	7,6	39,20	84,00	grey	V0: ELITRONIC LIYY
0500126	14 X 0,34	8,0	45,70	96,00	grey	V0: ELITRONIC LIYY
0500134	16 X 0,34	8,5	52,20	119,00	grey	V0: ELITRONIC LIYY
0500136	18 X 0,34	9,2	58,80	132,00	grey	V0: ELITRONIC LIYY
0507332	19 X 0,34	9,2	62,00	137,00	grey	V0: ELITRONIC LIYY
0500899	20 X 0,34	9,8	65,30	144,00	grey	V0: ELITRONIC LIYY
0500144	21 X 0,34	10,0	68,60	164,00	grey	V0: ELITRONIC LIYY
0500147	24 X 0,34	11,0	78,30	171,00	grey	V0: ELITRONIC LIYY
0500150	25 X 0,34	11,2	81,60	178,00	grey	V0: ELITRONIC LIYY
0500156	27 X 0,34	11,4	88,10	184,00	grey	V0: ELITRONIC LIYY
0500176	30 X 0,34	11,6	97,90	204,00	grey	V0: ELITRONIC LIYY
0500180	32 X 0,34	12,1	104,00	218,00	grey	V0: ELITRONIC LIYY
0500183	36 X 0,34	12,5	118,00	242,00	grey	V0: ELITRONIC LIYY
0500200	40 X 0,34	13,5	131,00	316,00	grey	V0: ELITRONIC LIYY
0507245	44 X 0,34	14,0	144,00	305,00	grey	V0: ELITRONIC LIYY

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500943	48 X 0,34	14,6	157,00	332,00	grey	V0: ELITRONIC LIYY
0500201	48 X 0,34	14,6	157,00	332,00	grey	V0: ELITRONIC LIYY
0506853	50 X 0,34	15,0	163,00	348,00	grey	V0: ELITRONIC LIYY
0506918	50 X 0,34	15,0	163,00	348,00	grey	V0: ELITRONIC LIYY
0501457	61 X 0,34	16,3	199,00	610,00	grey	V0: ELITRONIC LIYY
0500913	2 X 0,5	4,7	9,60	28,00	grey	V0: ELITRONIC LIYY
0500922	3 X 0,5	4,8	14,40	33,00	grey	V0: ELITRONIC LIYY
0500944	4 X 0,5	5,3	19,20	43,00	grey	V0: ELITRONIC LIYY
0500951	5 X 0,5	5,8	24,00	49,00	grey	V0: ELITRONIC LIYY
0500963	6 X 0,5	6,4	28,80	61,00	grey	V0: ELITRONIC LIYY
0500968	7 X 0,5	6,6	33,60	66,00	grey	V0: ELITRONIC LIYY
0500976	8 X 0,5	7,2	38,40	70,00	grey	V0: ELITRONIC LIYY
0501480	9 X 0,5	7,5	43,20	85,00	grey	V0: ELITRONIC LIYY
0500875	10 X 0,5	7,9	48,00	94,00	grey	V0: ELITRONIC LIYY
0500885	12 X 0,5	8,4	57,60	109,00	grey	V0: ELITRONIC LIYY
0507312	14 X 0,5	9,6	67,20	153,00	grey	V0: ELITRONIC LIYY
0500891	16 X 0,5	9,9	76,80	155,00	grey	V0: ELITRONIC LIYY
0501009	20 X 0,5	11,0	96,00	187,00	grey	V0: ELITRONIC LIYY
0500903	24 X 0,5	12,3	116,00	228,00	grey	V0: ELITRONIC LIYY
0500905	25 X 0,5	13,3	120,00	248,00	grey	V0: ELITRONIC LIYY
0506919	30 X 0,5	13,4	144,00	284,00	grey	V0: ELITRONIC LIYY
0507622	32 X 0,5	13,7	154,00	310,00	grey	V0: ELITRONIC LIYY
0500933	40 X 0,5	15,3	192,00	362,00	grey	V0: ELITRONIC LIYY
0500908	2 X 0,75	5,1	14,40	37,00	grey	V0: ELITRONIC LIYY
0500929	3 X 0,75	5,6	21,60	45,00	grey	V0: ELITRONIC LIYY
0500939	4 X 0,75	6,1	28,80	56,00	grey	V0: ELITRONIC LIYY
0500952	5 X 0,75	6,7	36,00	69,00	grey	V0: ELITRONIC LIYY
0501087	6 X 0,75	7,5	43,20	87,00	grey	V0: ELITRONIC LIYY
0502619	7 X 0,75	8,1	50,40	91,00	grey	V0: ELITRONIC LIYY
0500978	8 X 0,75	8,4	57,60	104,00	grey	V0: ELITRONIC LIYY
0500882	10 X 0,75	9,4	72,00	140,00	grey	V0: ELITRONIC LIYY
0500886	12 X 0,75	10,1	86,40	159,00	grey	V0: ELITRONIC LIYY
0506776	16 X 0,75	11,2	115,00	207,00	grey	V0: ELITRONIC LIYY
0500900	20 X 0,75	12,4	144,00	253,00	grey	V0: ELITRONIC LIYY
0500904	24 X 0,75	14,3	173,00	280,00	grey	V0: ELITRONIC LIYY
0506920	30 X 0,75	15,2	216,00	381,00	grey	V0: ELITRONIC LIYY
0501911	2 X 1	5,6	19,20	49,00	grey	V0: ELITRONIC LIYY
0500253	4 X 1	6,6	38,40	77,00	grey	V0: ELITRONIC LIYY

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0507246	7 X 1	8,1	67,20	124,00	grey	V0: ELITRONIC LIYY
0503000	2 X 1,5	6,6	28,80	58,00	grey	V0: ELITRONIC LIYY

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