



## USE OF CABLE

halogen-free and environmentally data transmission cable, control and connecting cable predominantly for transmission of analog and digital signals in process controlled facilities in measurement and control technology, in fire vulnerable areas and facilities with high concentration of people and property values, for lossless transmission of datas 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

- free from lacquer damaging substances and silicone (during production)
- FRNC (Flame Retardant, non corrosive)
- LSF 0H (Low Smoke in Fume, Zero Halogen)
- 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 <sup>2</sup> , stranded (7 x 0,25 mm)
Core insulation:	Special halogen-free compound
Core identification:	Acc. to DIN 47100 different colours
Stranding:	Stranded in layers
Shield3:	Copper braid tinned, coverage approx. 85%
Outer sheath:	Special halogen-free compound
Sheath colour:	Grey, RAL 7001
Rated voltage:	Uo/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; core/shield 1 kV > 0,14 mm <sup>2</sup> : core/core 1,5 kV; core/shield 1 kV
Conductor resistance:	Nach IEC 60228 cl. 5
Insulation resistance:	Min. 20 MΩ xkm
Current-carrying-capacity:	Acc. to DIN VDE, s. Techn. Guidelines
Capacity:	Core/core ca. 120 nF/km; core/shield ca. 160 nF/km
Min. bending radius fixed:	Up to 20 mm Ø 7,5 x d, > 20 mm Ø: 10 x d
Min. bending radius moved:	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
Halogen free:	Acc. to IEC 60754-2
Burning behavior:	Flame-retardant acc. to IEC 60332-3-24 (Cat. C)
Standard:	Similar to DIN 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
0506973	2 X 0,14	3,6	12,00	20,00	grey	V0: ELITRONIC-CH LIHCH
0506974	3 X 0,14	3,7	13,00	28,00	grey	V0: ELITRONIC-CH LIHCH
0501566	4 X 0,14	3,9	14,30	33,00	grey	V0: ELITRONIC-CH LIHCH
0506975	5 X 0,14	4,2	15,50	38,00	grey	V0: ELITRONIC-CH LIHCH
0506976	6 X 0,14	4,9	17,40	43,00	grey	V0: ELITRONIC-CH LIHCH
0506977	7 X 0,14	4,9	20,30	49,00	grey	V0: ELITRONIC-CH LIHCH
0506978	8 X 0,14	5,2	21,20	56,00	grey	V0: ELITRONIC-CH LIHCH
0506979	10 X 0,14	5,8	28,50	66,00	grey	V0: ELITRONIC-CH LIHCH
0506980	12 X 0,14	6,0	30,40	78,00	grey	V0: ELITRONIC-CH LIHCH
0506982	14 X 0,14	6,3	32,00	80,00	grey	V0: ELITRONIC-CH LIHCH
0506983	15 X 0,14	6,4	37,80	86,00	grey	V0: ELITRONIC-CH LIHCH
0506984	16 X 0,14	6,6	43,00	90,00	grey	V0: ELITRONIC-CH LIHCH

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0506985	18 X 0,14	6,9	48,80	104,00	grey	V0: ELITRONIC-CH LIHCH
0506986	20 X 0,14	7,3	53,90	116,00	grey	V0: ELITRONIC-CH LIHCH
0506987	21 X 0,14	7,3	55,50	121,00	grey	V0: ELITRONIC-CH LIHCH
0501546	25 X 0,14	8,0	63,00	149,00	grey	V0: ELITRONIC-CH LIHCH
0506988	2 X 0,25	4,1	16,00	32,00	grey	V0: ELITRONIC-CH LIHCH
0506989	3 X 0,25	4,2	21,00	37,00	grey	V0: ELITRONIC-CH LIHCH
0506990	4 X 0,25	4,9	24,00	41,30	grey	V0: ELITRONIC-CH LIHCH
0506991	5 X 0,25	5,3	29,00	51,20	grey	V0: ELITRONIC-CH LIHCH
0506992	6 X 0,25	5,7	30,00	58,00	grey	V0: ELITRONIC-CH LIHCH
0506993	7 X 0,25	5,8	37,00	65,00	grey	V0: ELITRONIC-CH LIHCH
0506994	8 X 0,25	6,1	42,00	73,00	grey	V0: ELITRONIC-CH LIHCH
0506995	10 X 0,25	6,8	46,00	82,00	grey	V0: ELITRONIC-CH LIHCH
0506996	12 X 0,25	7,3	59,00	91,00	grey	V0: ELITRONIC-CH LIHCH
0506997	14 X 0,25	7,6	62,00	99,00	grey	V0: ELITRONIC-CH LIHCH
0506998	15 X 0,25	7,8	63,00	111,00	grey	V0: ELITRONIC-CH LIHCH
0506999	16 X 0,25	8,0	64,00	124,00	grey	V0: ELITRONIC-CH LIHCH
0507000	18 X 0,25	8,4	83,00	143,00	grey	V0: ELITRONIC-CH LIHCH
0507001	20 X 0,25	8,7	88,00	152,30	grey	V0: ELITRONIC-CH LIHCH
0507002	21 X 0,25	8,7	93,00	161,00	grey	V0: ELITRONIC-CH LIHCH
0507003	25 X 0,25	9,7	114,00	172,00	grey	V0: ELITRONIC-CH LIHCH
0507004	2 X 0,34	4,7	21,00	37,00	grey	V0: ELITRONIC-CH LIHCH
0507005	3 X 0,34	4,8	27,00	49,00	grey	V0: ELITRONIC-CH LIHCH
0507006	4 X 0,34	5,2	28,00	59,00	grey	V0: ELITRONIC-CH LIHCH
0507007	5 X 0,34	5,6	30,00	66,00	grey	V0: ELITRONIC-CH LIHCH
0507008	6 X 0,34	6,0	45,00	79,00	grey	V0: ELITRONIC-CH LIHCH
0507009	7 X 0,34	6,1	48,00	83,00	grey	V0: ELITRONIC-CH LIHCH
0507010	8 X 0,34	6,5	52,00	94,00	grey	V0: ELITRONIC-CH LIHCH
0507011	10 X 0,34	7,4	74,00	129,20	grey	V0: ELITRONIC-CH LIHCH
0507012	12 X 0,34	7,7	80,00	142,00	grey	V0: ELITRONIC-CH LIHCH
0507013	14 X 0,34	8,1	86,00	154,00	grey	V0: ELITRONIC-CH LIHCH
0507014	15 X 0,34	8,2	90,00	155,00	grey	V0: ELITRONIC-CH LIHCH
0506438	16 X 0,34	8,5	94,00	160,00	grey	V0: ELITRONIC-CH LIHCH
0507015	18 X 0,34	8,9	103,00	173,00	grey	V0: ELITRONIC-CH LIHCH
0506547	20 X 0,34	9,3	112,00	192,00	grey	V0: ELITRONIC-CH LIHCH
0507016	21 X 0,34	9,3	116,00	199,20	grey	V0: ELITRONIC-CH LIHCH
0507017	25 X 0,34	10,6	135,00	259,00	grey	V0: ELITRONIC-CH LIHCH
0502652	2 X 0,5	5,3	29,00	54,00	grey	V0: ELITRONIC-CH LIHCH
0502343	3 X 0,5	5,5	38,00	67,00	grey	V0: ELITRONIC-CH LIHCH
0506807	4 X 0,5	5,9	43,00	77,00	grey	V0: ELITRONIC-CH LIHCH
0507018	5 X 0,5	6,5	51,00	90,00	grey	V0: ELITRONIC-CH LIHCH
0507019	6 X 0,5	7,1	59,00	104,00	grey	V0: ELITRONIC-CH LIHCH
0507020	7 X 0,5	7,2	65,00	112,00	grey	V0: ELITRONIC-CH LIHCH
0502655	8 X 0,5	7,6	70,00	135,00	grey	V0: ELITRONIC-CH LIHCH

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0507021	10 X 0,5	8,6	88,00	160,00	grey	V0: ELITRONIC-CH LIHCH
0507022	12 X 0,5	9,0	99,00	177,00	grey	V0: ELITRONIC-CH LIHCH
0507023	18 X 0,5	10,7	134,00	239,00	grey	V0: ELITRONIC-CH LIHCH
0507024	20 X 0,5	11,1	149,00	276,00	grey	V0: ELITRONIC-CH LIHCH
0507025	25 X 0,5	12,3	211,00	352,00	grey	V0: ELITRONIC-CH LIHCH
0503305	2 X 0,75	5,7	38,00	64,00	grey	V0: ELITRONIC-CH LIHCH
0503139	3 X 0,75	5,9	49,00	76,00	grey	V0: ELITRONIC-CH LIHCH
0506638	4 X 0,75	6,5	58,00	92,00	grey	V0: ELITRONIC-CH LIHCH
0507026	5 X 0,75	7,1	67,00	109,00	grey	V0: ELITRONIC-CH LIHCH
0507027	7 X 0,75	7,8	100,00	156,00	grey	V0: ELITRONIC-CH LIHCH
0507028	10 X 0,75	9,4	130,00	187,00	grey	V0: ELITRONIC-CH LIHCH
0507029	12 X 0,75	9,8	154,00	218,00	grey	V0: ELITRONIC-CH LIHCH
0503318	18 X 0,75	11,6	195,00	327,00	grey	V0: ELITRONIC-CH LIHCH
0507030	25 X 0,75	14,0	280,00	454,00	grey	V0: ELITRONIC-CH LIHCH
0507031	2 X 1	6,2	43,00	72,00	grey	V0: ELITRONIC-CH LIHCH
0507032	3 X 1	6,5	56,00	90,00	grey	V0: ELITRONIC-CH LIHCH
0507033	4 X 1	7,1	68,00	109,00	grey	V0: ELITRONIC-CH LIHCH
0507034	5 X 1	7,7	79,00	126,00	grey	V0: ELITRONIC-CH LIHCH
0507035	7 X 1	8,4	118,00	171,00	grey	V0: ELITRONIC-CH LIHCH
0507036	10 X 1	10,4	140,00	228,00	grey	V0: ELITRONIC-CH LIHCH
0503140	12 X 1	11,0	168,00	259,00	grey	V0: ELITRONIC-CH LIHCH
0507037	18 X 1	12,7	252,00	389,00	grey	V0: ELITRONIC-CH LIHCH
0507038	25 X 1	15,2	335,00	517,00	grey	V0: ELITRONIC-CH LIHCH
0502667	2 X 1,5	7,1	58,00	90,00	grey	V0: ELITRONIC-CH LIHCH
0502668	3 X 1,5	7,4	74,00	115,00	grey	V0: ELITRONIC-CH LIHCH
0507039	4 X 1,5	8,0	108,00	153,00	grey	V0: ELITRONIC-CH LIHCH
0507040	5 X 1,5	8,7	129,00	176,00	grey	V0: ELITRONIC-CH LIHCH
0507041	7 X 1,5	9,6	164,00	220,00	grey	V0: ELITRONIC-CH LIHCH
0507042	12 X 1,5	12,5	254,00	376,00	grey	V0: ELITRONIC-CH LIHCH
0507043	18 X 1,5	15,5	350,00	519,00	grey	V0: ELITRONIC-CH LIHCH
0507044	25 X 1,5	19,2	550,00	901,00	grey	V0: ELITRONIC-CH LIHCH