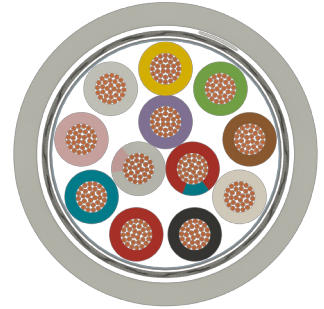
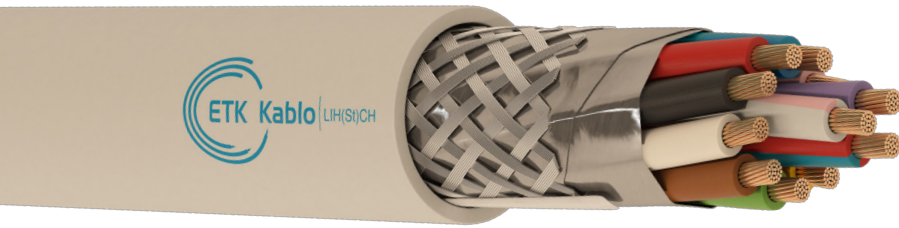


Electronic Control Cables

Signal Cables

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Application

- Feeder cable for frequency controlled motors with electromagnetic interference.
- At instrumentation and control engineering.
- At industrial electronics.
- Computer and office devices.
- Indoor communication systems.
- Indoor sound systems.
- In places where human life, valuable materials and equipments need to be protected.

Cable Construction

- 1 - Conductor : Stranded electrolytic copper conductor (Class 5) (IEC 60228, EN 60228, DIN VDE 0295)
- 2 - Insulation : Halogen-free (TS IEC 60189-2, EN 50290-2-26) (DIN 47100)
- 3 - Stranding : Insulations are stranded into pairs and all pairs are stranded together.
- 4 - Wrapping : Polyester tape
- 5 - Screen : Al/PET tape, tinned copper braiding
- 6 - Outer Jacket : UV resistant halogen-free outer jacket. RAL 7035 (Grey)

Technical Characteristics

Cross Section	Conductor Resistance Ω/km (20 °C)	Insulation Resistance M Ω/km (20 °C)	Mutual Capacitance pF/m	Current Carrying Capacity A	Impedance Ω	Inductance mH/km	Operating Voltage V DC	Test Voltage V (DC, 1 minute)
0.14 mm ²	138	200	110	2	78	0.67	250	1200
0.22 mm ²	85	200	110	2.5	78	0.67	250	1200
0.25 mm ²	77.8	200	110	4.5	78	0.67	250	1200
0.34 mm ²	56	200	110	6	78	0.67	250	1200
0.50 mm ²	39	20	120	9	78	0.67	300/500	2000
0.75 mm ²	26	20	120	12	78	0.67	300/500	2000
1.00 mm ²	19.5	20	130	15	78	0.67	300/500	2000
1.5 mm ²	13.3	20	140	18	78	0.67	300/500	2000
2.5 mm ²	7.98	20	150	26	78	0.67	300/500	2000
4.0 mm ²	4.95	20	150	34	78	0.67	300/500	2000
6.0 mm ²	3.3	20	150	44	78	0.67	300/500	2000
10 mm ²	1.91	20	150	61	78	0.67	300/500	2000
16 mm ²	1.21	20	150	82	78	0.67	300/500	2000

Mechanical Characteristics

Bending Radius	Temperature Range Operating
7.5xD mm	-30°C--+70°C

Standards

Smoke Density Test	Corrosive Gas Test	Halogen-free Test	Flame Retardancy Test	Flame Propagation Test
IEC 61034-2, VDE 0482-1034-2, EN 61034-2	IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3	IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2	IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-3-24

Notes

Electromagnetic compatibility (EMC)
Color code could be JZ, OZ, JB, OB according to customer demand.
Reference Standard: DIN VDE 0812

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Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.5372.3.3.0022.0.0002	2	0.22	3.8	8.3	20	100/500/1000
3.5372.3.3.0022.0.0003	3	0.22	4	10.4	23	100/500/1000
3.5372.3.3.0022.0.0004	4	0.22	4.4	12.7	29	100/500/1000
3.5372.3.3.0022.0.0005	5	0.22	4.7	16.1	34	100/500/1000
3.5372.3.3.0022.0.0006	6	0.22	5.2	18.4	40	100/500/1000
3.5372.3.3.0022.0.0007	7	0.22	5.2	20.5	43	100/500/1000
3.5372.3.3.0022.0.0008	8	0.22	5.6	22.7	47	100/500/1000
3.5372.3.3.0022.0.0009	9	0.22	5.9	26.2	53	100/500/1000
3.5372.3.3.0022.0.0010	10	0.22	6.5	28.4	59	100/500/1000
3.5372.3.3.0022.0.0012	12	0.22	6.8	32.8	68	100/500/1000
3.5372.3.3.0022.0.0014	14	0.22	7.1	38.4	77	100/500/1000
3.5372.3.3.0022.0.0016	16	0.22	7.4	42.9	85	100/500/1000
3.5372.3.3.0022.0.0018	18	0.22	7.8	47.3	92	100/500/1000
3.5372.3.3.0022.0.0019	19	0.22	7.8	49.4	95	100/500/1000
3.5372.3.3.0022.0.0020	20	0.22	8.2	52.3	101	100/500/1000
3.5372.3.3.0022.0.0021	21	0.22	8.2	54.5	104	100/500/1000
3.5372.3.3.0022.0.0024	24	0.22	9.1	62.4	120	100/500/1000
3.5372.3.3.0022.0.0025	25	0.22	9.1	64.5	123	100/500/1000
3.5372.3.3.0022.0.0027	27	0.22	9.3	69.4	131	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.5372.3.3.0034.0.0002	2	0.34	4.6	11	28	100/500/1000
3.5372.3.3.0034.0.0003	3	0.34	4.8	15.4	34	100/500/1000
3.5372.3.3.0034.0.0004	4	0.34	5.3	18.7	42	100/500/1000
3.5372.3.3.0034.0.0005	5	0.34	5.8	22.4	50	100/500/1000
3.5372.3.3.0034.0.0006	6	0.34	6.3	26.9	58	100/500/1000
3.5372.3.3.0034.0.0007	7	0.34	6.3	30.1	63	100/500/1000
3.5372.3.3.0034.0.0008	8	0.34	6.8	33.6	69	100/500/1000
3.5372.3.3.0034.0.0009	9	0.34	7.3	38.1	79	100/500/1000
3.5372.3.3.0034.0.0010	10	0.34	7.9	41.7	87	100/500/1000
3.5372.3.3.0034.0.0012	12	0.34	8.1	48.9	98	100/500/1000
3.5372.3.3.0034.0.0014	14	0.34	8.7	56.1	114	100/500/1000
3.5372.3.3.0034.0.0016	16	0.34	9.1	63.5	126	100/500/1000
3.5372.3.3.0034.0.0018	18	0.34	9.7	71	141	100/500/1000
3.5372.3.3.0034.0.0019	19	0.34	9.7	74.4	146	100/500/1000
3.5372.3.3.0034.0.0020	20	0.34	10.2	78	154	100/500/1000
3.5372.3.3.0034.0.0021	21	0.34	10.2	81.4	159	100/500/1000
3.5372.3.3.0034.0.0024	24	0.34	11.4	93	186	100/500/1000
3.5372.3.3.0034.0.0025	25	0.34	11.4	96.4	190	100/500/1000
3.5372.3.3.0034.0.0027	27	0.34	11.6	103.2	201	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.5372.3.3.0050.0.0002	2	0.5	5	14.2	33	100/500/1000
3.5372.3.3.0050.0.0003	3	0.5	5.3	18.6	40	100/500/1000
3.5372.3.3.0050.0.0004	4	0.5	5.9	24.6	53	100/500/1000
3.5372.3.3.0050.0.0005	5	0.5	6.4	29.1	62	100/500/1000
3.5372.3.3.0050.0.0006	6	0.5	6.9	34.8	73	100/500/1000
3.5372.3.3.0050.0.0007	7	0.5	6.9	39.2	77	100/500/1000
3.5372.3.3.0050.0.0008	8	0.5	7.5	43.9	90	100/500/1000

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3.537.3.3.3.0050.0.0009	9	0.5	8.8	50.9	106	100/500/1000
3.537.3.3.3.0050.0.0010	10	0.5	8.8	55.4	110	100/500/1000
3.537.3.3.3.0050.0.0012	12	0.5	9.2	64.7	126	100/500/1000
3.537.3.3.3.0050.0.0014	14	0.5	9.7	73.7	144	100/500/1000
3.537.3.3.3.0050.0.0016	16	0.5	10.2	83.3	160	100/500/1000
3.537.3.3.3.0050.0.0018	18	0.5	10.8	92.5	181	100/500/1000
3.537.3.3.3.0050.0.0019	19	0.5	10.8	96.9	184	100/500/1000
3.537.3.3.3.0050.0.0020	20	0.5	11.4	102.5	200	100/500/1000
3.537.3.3.3.0050.0.0021	21	0.5	11.4	106.9	201	100/500/1000
3.537.3.3.3.0050.0.0024	24	0.5	12.7	120.9	233	100/500/1000
3.537.3.3.3.0050.0.0025	25	0.5	12.7	125.3	245	100/500/1000
3.537.3.3.3.0050.0.0027	27	0.5	13	134.4	254	100/500/1000

Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.537.2.3.3.0075.0.0002	2	0.75	5.6	18.8	42	100/500/1000
3.537.2.3.3.0075.0.0003	3	0.75	5.9	26.7	54	100/500/1000
3.537.2.3.3.0075.0.0004	4	0.75	6.5	33.5	66	100/500/1000
3.537.3.3.3.0075.0.0005	5	0.75	7.1	41.4	82	100/500/1000
3.537.3.3.3.0075.0.0006	6	0.75	7.7	48.5	95	100/500/1000
3.537.3.3.3.0075.0.0007	7	0.75	7.7	55.2	101	100/500/1000
3.537.3.3.3.0075.0.0008	8	0.75	8.5	62.7	121	100/500/1000
3.537.3.3.3.0075.0.0009	9	0.75	9.8	70.5	137	100/500/1000
3.537.3.3.3.0075.0.0010	10	0.75	9.8	77.7	143	100/500/1000
3.537.3.3.3.0075.0.0012	12	0.75	10.2	91.5	165	100/500/1000
3.537.3.3.3.0075.0.0014	14	0.75	10.8	105.6	189	100/500/1000
3.537.3.3.3.0075.0.0016	16	0.75	11.3	120.1	210	100/500/1000
3.537.3.3.3.0075.0.0018	18	0.75	12	136.1	241	100/500/1000
3.537.3.3.3.0075.0.0019	19	0.75	12	142.7	246	100/500/1000
3.537.3.3.3.0075.0.0020	20	0.75	12.7	150.7	265	100/500/1000
3.537.3.3.3.0075.0.0021	21	0.75	12.7	157.4	268	100/500/1000
3.537.3.3.3.0075.0.0024	24	0.75	14	176.3	304	100/500/1000
3.537.3.3.3.0075.0.0025	25	0.75	14	182.9	320	100/500/1000
3.537.3.3.3.0075.0.0027	27	0.75	14.4	197.7	337	100/500/1000

Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.537.2.3.3.0100.0.0002	2	1	6	23.5	49	100/500/1000
3.537.2.3.3.0100.0.0003	3	1	6.3	32	62	100/500/1000
3.537.3.3.3.0100.0.0004	4	1	7	41.3	77	100/500/1000
3.537.3.3.3.0100.0.0005	5	1	7.7	49.9	95	100/500/1000
3.537.3.3.3.0100.0.0006	6	1	8.3	59.8	113	100/500/1000
3.537.3.3.3.0100.0.0007	7	1	8.3	68.1	119	100/500/1000
3.537.3.3.3.0100.0.0008	8	1	9.2	77.5	143	100/500/1000
3.537.3.3.3.0100.0.0009	9	1	10.6	86.7	162	100/500/1000
3.537.3.3.3.0100.0.0010	10	1	10.6	94.9	169	100/500/1000
3.537.3.3.3.0100.0.0012	12	1	11	112.4	196	100/500/1000
3.537.3.3.3.0100.0.0014	14	1	11.7	132.6	227	100/500/1000
3.537.3.3.3.0100.0.0016	16	1	12.3	150.7	253	100/500/1000
3.537.3.3.3.0100.0.0018	18	1	13	164.3	283	100/500/1000
3.537.3.3.3.0100.0.0019	19	1	13	172.5	289	100/500/1000
3.537.3.3.3.0100.0.0020	20	1	13.7	183.4	314	100/500/1000
3.537.3.3.3.0100.0.0021	21	1	13.7	191.7	317	100/500/1000
3.537.3.3.3.0100.0.0024	24	1	15.2	219.3	365	100/500/1000
3.537.3.3.3.0100.0.0025	25	1	15.2	227.6	384	100/500/1000
3.537.3.3.3.0100.0.0027	27	1	15.5	244.4	399	100/500/1000

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Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.5372.3.3.0150.0.0002	2	1.5	6.7	33	64	100/500/1000
3.5372.3.3.0150.0.0003	3	1.5	7.1	46.9	82	100/500/1000
3.5372.3.3.0150.0.0004	4	1.5	7.8	60.2	103	100/500/1000
3.5373.3.3.0150.0.0005	5	1.5	8.6	74.6	128	100/500/1000
3.5373.3.3.0150.0.0006	6	1.5	9.3	88.7	151	100/500/1000
3.5373.3.3.0150.0.0007	7	1.5	9.3	101.6	161	100/500/1000
3.5373.3.3.0150.0.0008	8	1.5	10.2	115.2	191	100/500/1000
3.5373.3.3.0150.0.0009	9	1.5	11.9	129.4	218	100/500/1000
3.5373.3.3.0150.0.0010	10	1.5	11.9	142.3	228	100/500/1000
3.5373.3.3.0150.0.0012	12	1.5	12.4	171.8	268	100/500/1000
3.5373.3.3.0150.0.0014	14	1.5	13.1	199	308	100/500/1000
3.5373.3.3.0150.0.0016	16	1.5	13.8	224.2	343	100/500/1000
3.5373.3.3.0150.0.0018	18	1.5	14.6	251.1	388	100/500/1000
3.5373.3.3.0150.0.0019	19	1.5	14.6	264	399	100/500/1000
3.5373.3.3.0150.0.0020	20	1.5	15.4	276.8	429	100/500/1000
3.5373.3.3.0150.0.0021	21	1.5	15.4	289.7	435	100/500/1000
3.5373.3.3.0150.0.0024	24	1.5	17.2	331.1	503	100/500/1000
3.5373.3.3.0150.0.0025	25	1.5	17.2	344	529	100/500/1000
3.5373.3.3.0150.0.0027	27	1.5	17.6	370.1	553	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.5372.3.3.0250.0.0002	2	2.5	7.8	52.8	89	100/500/1000
3.5372.3.3.0250.0.0003	3	2.5	8.3	74.7	117	100/500/1000
3.5372.3.3.0250.0.0004	4	2.5	9.2	97.3	151	100/500/1000
3.5373.3.3.0250.0.0005	5	2.5	10.3	120.3	192	100/500/1000
3.5373.3.3.0250.0.0006	6	2.5	11.2	145.8	231	100/500/1000
3.5373.3.3.0250.0.0007	7	2.5	11.2	167.4	247	100/500/1000
3.5373.3.3.0250.0.0008	8	2.5	12.4	190.3	294	100/500/1000
3.5373.3.3.0250.0.0009	9	2.5	14.5	212.6	336	100/500/1000
3.5373.3.3.0250.0.0010	10	2.5	14.5	234.1	352	100/500/1000
3.5373.3.3.0250.0.0012	12	2.5	15.1	277.4	410	100/500/1000
3.5373.3.3.0250.0.0014	14	2.5	15.9	322.1	472	100/500/1000
3.5373.3.3.0250.0.0016	16	2.5	16.8	365.8	529	100/500/1000
3.5373.3.3.0250.0.0018	18	2.5	17.8	408.3	599	100/500/1000
3.5373.3.3.0250.0.0019	19	2.5	17.8	432.8	618	100/500/1000
3.5373.3.3.0250.0.0020	20	2.5	18.8	455.5	666	100/500/1000
3.5373.3.3.0250.0.0021	21	2.5	18.8	477	677	100/500/1000
3.5373.3.3.0250.0.0024	24	2.5	20.9	548.3	779	100/500/1000
3.5373.3.3.0250.0.0025	25	2.5	20.9	569.9	822	100/500/1000
3.5373.3.3.0250.0.0027	27	2.5	21.4	616.8	862	100/500/1000