

ELETTROTEK KABEL[®]

cables and systems

AUTOMATIONS CABLE
PENDANT CONTROL CABLE



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ELETTROTEK KABEL® GROUP

Elettrotek Kabel Group was established in 2001 in Bagnolo, Italy, born from the desire to supply specific cables to the local market, with the aim to expand worldwide.

Expansion which was made possible by the opening of offices in Poland, Czech Republic, India, Switzerland, USA, and Germany permitting Elettrotek Kabel Group to touch all sides of the world.

From this advantage point we are able to better provide our cables and technical services which are of the highest standards and focused in different sectors being automation, port, steel, mining, oil & gas, and wind & solar energy industries worldwide.

With a high level of knowledge gained by over ten years of experience in providing the best cable solutions to our customers in each of these sectors, Elettrotek Kabel has now become a point of reference to the biggest players in the these specific fields of industry.

Our Stork in Italy



Certifications & Normatives:



ELETTROTEK KABEL® LIFT-2S



Construction:

Conductor:	Flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295
Insulation:	PVC special compound
Cores color:	white or black cores with consecutive numbers green-yellow earth-wire from 3 cores
Wrapping:	multi-layer wrapping
Supporting braid:	two steel
Outer sheath:	special PVC compound
Sheath color:	black (RAL 9005)

Features:

- ▶ ExOzone resistant
- ▶ UV resistant
- ▶ moisture/water resistant
- ▶ low abrasion
- ▶ high notch resistant
- ▶ for SPEEDS and MINIMUM BENDING RADIUS
see pages 1, 2, 3, 4, 5, 6 of catalogue

Technical data:

Nominal voltage:	160/300/500 V
Test voltage:	2,5 kV
Temperature range:	
fixed installation:	-40°C up to +70°C
flexible installation:	-25°C up to +60°C
Max. temperature on conductor:	
in service:	+90°C
short circuit:	+250°C
Min. Bending radius:	10 x d
Max Suspension height:	50 mt
Resistance:	
Fire performance:	PVC self-extinguishing and flame retardant acc to DIN VDE 0462 part 265-2-1/EN50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)



Part no.	No. of cores x cross-section x x mm ²	Outer Ø Øe, mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	Max. tensile load N	AWG (no. #)
03166D//061M10	6G1	12	37,6	195	7000	18
03166D//121M10	12G1	14,9	75,2	210	7000	16
03166D//181M10	18G1	17,1	112,8	312	7000	16
03166D//251M10	25G1	21	240	432	7000	16
03166D//301M10	30G1	21,9	288	520	7000	16
03166D//A081M15	8G1,5	14,9	75	399	7000	16
03166D//121M15	12G1,5	16,5	120	350	7000	16
03166D//151M15	15G1,5	18,6	230	399	7000	16
03166D//181M15	18G1,5	19,7	259	468	7000	16
03166D//201M15	20G1,5	21	288	520	7000	16
03166D//241M15	24G1,5	22,6	346	621	7000	16
03166D//301M15	30G1,5	24	432	700	7000	16

Other construction and sizes are available on request

FLEXIFESTOON® PV-FLAT (H07VVH6-F)

RoHS ✓ HAR CE

ELETTROTEK KABEL® FLEXIFESTOON® PV-FLAT (H07VVH6-F)



Construction:

Conductor:	Flexible red copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
Insulation:	PVC type 112
Stranding:	cores lying parallel
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Outer sheath:	black, special PVC compound

Features:

- ▼ Extremely small bending radius
- ▼ high flexibility
- ▼ minimum waste of space
- ▼ packaging possibility
- ▼ for SPEEDS and MINIMUM BENDING RADIUS see page 1, 2, 3/5, 6 of catalogue
- ▼ flame retardant acc. to IEC 60332-1
- ▼ UV and ozone resistance
- ▼ 0,5/1 kV version on request

Technical data:

Nominal voltage:	U ₀ /U 450/750 V
Test voltage:	2.5 kV
Temperature range:	
fixed installation:	-40°C up to +80°C
flexible installation:	-25°C up to +80°C
Max. temperature on conductor:	
in service:	+70°C
in short circuit:	+150°C
Min. bending radius:	10 x d
Radiation resistance:	up to 80x10 ³ c./hig (up to 80 Mrad)
Tensile strength:	
static:	15 N/mm ²
dynamic:	30 N/mm ²
Max speed:	up to 120 m/min
Resistance:	
Fire performance:	test method B acc. to DIN VDE 0472 part 804 and IEC 60332-1
Chemical resistance:	very good



Part no.	No. of cores x cross-section (x mm ²)	Outer-Ø (± 10%)	Copper weight (kg/km)	Cable weight (approx. kg/km)	AWG (no. 1)
03050E72011M15	4G1,5	4,5x13,7	58	133	16
03050E72051M15	5G1,5	4,5x17,9	72	169	16
03050E73071M15	7G1,5	4,5x23,5	101	235	16
03050E73081M15	8G1,5	4,5x25,8	115	265	16
03050E73091M15	8x1,5	3x29	113	300	16
03050E73091M15	9G1,5	3x32	130	330	16
03050E73101M15	10G1,5	4,5x33,5	144	332	16
03050E73121M15	12G1,5	4,5x38,9	173	421	16
03050E73161M15	16G1,5	4,5x51,5	230,4	555	16
03050E73181M15	18G1,5	5x58	259,2	620	16
03050E73241M15	24G1,5	5x80	346	859	16
03050E73041M25	4G2,5	5,5x17	96	205	14
03050E72051M25	5G2,5	5,5x21,5	120	256	14
03050E73071M25	7G2,5	5,5x30,3	168	344	14
03050E73081M25	8G2,5	5,5x31,9	192	389	14
03050E73121M25	12G2,5	5,5x47,1	288	580	14
03050E73161M25	16G2,5	5,5x55,1	384	871	14
03050E73181M25	18G2,5	5,5x74	487	990	14

Part no.	No. of cores x cross-section (x mm ²)	Outer-Ø (± 10%)	Copper weight (kg/km)	Cable weight (approx. kg/km)	AWG (no. 5)
03050E73061M25	6x(1G2,5)	7,5x53	576	950	14
03050E73241M25	24G2,5	5,5x120	576	950	14
03050E72011M10	1G1	7,6x1,8	15,4	34,4	12
03050E72051M10	5G1	7,6x7,4	19,2	42,8	12
03050E73071M10	7G1	7,9x26,6	26,9	59,0	12
03050E73121M10	12G1	6,8x57	46,8	88,0	12
03050E72041M10	4G1	8,2x24,8	23,0	42,4	10
03050E72051M10	5G1	8,2x31,8	28,8	53,0	10
03050E72071M10	7G1	8,2x42,6	40,8	76,0	10
03050E73041M11	4G1,5	10,0x29,6	38,4	77,0	8
03050E73041M12	4G1,5	11,2x34,4	61,4	107,4	6
03050E73041M13	4G2,5	13,7x42,6	96,0	156,5	4
03050E72041M14	4G3,5	15,4x47,6	134,4	210,0	2
03050E72041M15	4G5,0	18,2x57	192,0	294,0	1
03050E72041M16	4G7,5	20,6x64,2	268,8	409,0	2/0
03050E72041M17	4G9,5	23,5x72,5	369,4	455,0	3/0
03050E72051M13	5G1	6,8x26	19,2	39,0	12
03050E72051M10	5G1	7,6x28,5	28,8	53,0	10
03050E72051M11	5G1,5	8,4x36,5	38,4	80,0	8
03050E72051M12	5G1,5	12,4x46,6	76,8	147,0	6
03050E72051M13	5G2,5	15,5x55,5	120,0	200,0	4

Other construction and sizes are available on request

PV-FLAT H05VVH6-F/LIFT



ELETTROTEK KABEL PV-FLAT H05VVH6-F/LIFT



Construction:

Conductor:	Flexible red copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
Insulation:	PVC special compound
Stranding:	parallel cores laying
Color code:	core identification up to 5 cores to color code DIN VDE 0293 7 cores and above with number printing + green-yellow
Outer sheath:	black, special PVC (RAL 8005)

Technical data:

Nominal voltage:	Up to 300/500 V (up to 1 mm ²)
Test voltage:	2 kV
Temperature range:	
fixed installation:	-40°C up to +80°C
flexible installation:	-5°C up to +70°C
Min. Bending radius:	10 x d
Radiation resistance:	up to 80 x 10 ⁴ s/kg (up to 50 mm ²)
Resistance:	Ohm resistance: DIN VDE 0473 part 811-2-1, IEC 60811-2-1; Fire resistant: acc. to DIN VDE 0482 part 266-2-5, IEC 60332-3, EN 50266-2-5

Features:

- ▶ High flexibility
- ▶ peckeling possibility



Part no.	No. of cores x cross-section n x mm ²	Outer-Ø cs. mm + 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG (no.?)
07020072041M07	4G0,75	4,3 x 12,6	28,8	90	19
07020072051M07	5G0,75	4,3 x 16,1	36	115	19
07020072061M07	6G0,75	4,3 x 19,4	43,7	141	19
07020072081M07	8G0,75	4,3 x 26,4	64,8	198	19
07020072091M07	9G0,75	-	58	190	19
070200720101M07	10G0,75	4,3 x 30,1	72	221	19
070200720121M07	12G0,75	4,3 x 33,8	86,4	258	19
070200720161M07	16G0,75	4,3 x 44,4	115,2	340	19
070200720181M07	18G0,75	4,3 x 49,2	129,6	390	19
070200720201M07	20G0,75	4,3 x 55	144	421	19
070200720241M07	24G0,75	4,3 x 65,6	172,8	509	19
07020072031M07	3G1	4,5 x 10,8	28,8	80	18
07020072041M07	4G1	4,5 x 12,4	38,4	104	18
07020072051M07	5G1	4,5 x 16	48	134	18
07020072061M07	6G1	4,5 x 20,6	57,6	161	18
07020072081M07	8G1	-	77	220	18
07020072091M07	9G1	4,5 x 28,4	86,4	280	18
070200720101M07	10G1	4,5 x 30	96	256	18
070200720121M07	12G1	4,5 x 36,2	115,2	298	18
070200720161M07	16G1	4,5 x 47,6	153,6	395	18
070200720181M07	18G1	4,5 x 52,8	172,8	441	18
070200720201M07	20G1	4,5 x 59	192	495	18
070200720241M07	24G1	4,5 x 70,4	230,4	590	18

Other construction and sizes are available on request

GAALFLEX® CONTROL: 500

PVC control cable (former = YSLY-J2) 300/500 V



ELETTROTEK KABLE® GAALFLEX® CONTROL 500



Construction:

Conductor:	Flexible red copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
Insulation:	PVC type 112
Cores color:	black cores with consecutive numbers acc. to EN 50334, green-yellow from 3 cores
Stranding:	in layers
Outer sheath:	gray (RAL 7001) PVC type 1M2

Features:

- ▶ flexible
- ▶ numbered cores
- ▶ small bending radius
- ▶ on request black outer sheath

Technical data:

Nominal voltage:	U _{0/U} 300/500 V
Test voltage:	3 kV acc. to DIN VDE 0281 part 2 + H1 21.1
Temperature range:	Fixed laying: -40°C to +80°C Flexible application: -15°C up to +80°C
Radiation resistance:	8 x 10 ⁻⁶ cM/kg
Min. bending radius:	fixed laying: 4 x d flexible applications: 6 x d
Resistance:	Flame retardant and self-extinguishing: acc. to IEC 60332-1-2, EN 50265-2-1, DIN VDE 0482 part 265-2-1 Oil resistance: acc. to DIN VDE 0473 part 811-2-1, IEC EN 60811-2-1

Part no.	No. of cores x cross section n x mm ²	Outer Ø Co. mm ±10%	Copper weight kg/km	Cable weight kg/km	A/WG no. 1)
3707N03000M05	2 x 0,5	5,1	9,6	17	20
3707N05000M05	11 x 0,5	5,9	14,4	41	26
3707N05004M05	4 x 0,5	5,8	10,2	37	26
3707N05005M05	5 x 0,5	6,0	12	44	26
3707N05007M05	7 x 0,5	7,1	16,8	60	26
3707N05008M05	8 x 0,5	8,3	28,4	90	26
3707N05009M05	9 x 0,5	8,8	43,2	116	26
3707N05010M05	10 x 0,5	9,2	48	117	26
3707N05012M05	12 x 0,5	9,5	57,6	132	26
3707N05014M05	14 x 0,5	9,9	67,2	148	26
3707N05016M05	16 x 0,5	10,5	76,8	171	26
3707N05018M05	18 x 0,5	11,2	86,4	182	26
3707N05021M05	21 x 0,5	12,1	100,8	225	26
3707N05025M05	25 x 0,5	12,5	120	246	26
3707N05030M05	30 x 0,5	14	144	296	26
3707N05034M05	34 x 0,5	15,3	158,2	347	26
3707N05040M05	40 x 0,5	16,5	192	399	26
3707N05042M05	42 x 0,5	16,5	201,6	414	26
3707N05050M05	50 x 0,5	18,1	240	485	26
3707N05051M05	61 x 0,5	19,4	292,8	529	26
3707N05055M05	65 x 0,5	20,4	312	610	26
3707N05060M05	80 x 0,5	22,2	384	752	26
3707N05100M05	2 x 1,5	5,7	14,4	47	19
3707N05003M07	3 x 0,75	6,2	21,6	59	19
3707N05004M07	4 x 0,75	6,7	28,8	71	19
3707N05005M07	5 x 0,75	7,3	36	84	19
3707N05007M07	7 x 0,75	8,2	50,4	110	19
3707N05008M07	8 x 0,75	9,0	57,6	136	19
3707N05009M07	9 x 0,75	10,2	64,8	159	19
3707N05010M07	10 x 0,75	10,5	72	162	19
3707N05012M07	12 x 0,75	10,9	86,4	187	19
3707N05014M07	14 x 0,75	11,6	100,8	211	19
3707N05016M07	16 x 0,75	12,2	115,2	234	19

Part no.	No. of cores x cross section n x mm ²	Outer Ø Co. mm ±10%	Copper weight kg/km	Cable weight kg/km	A/WG no. 1)
3707N05010M07	10 x 0,75	12,9	126,0	258	19
3707N05012M07	12 x 0,75	14,3	151,2	305	19
3707N05015M07	15 x 0,75	15,6	180	354	19
3707N05016M07	16 x 0,75	16,3	216	417	19
3707N05018M07	18 x 0,75	17,8	244,8	471	19
3707N05040M07	40 x 0,75	19	388	546	19
3707N05042M07	42 x 0,75	19	392,4	555	19
3707N05050M07	50 x 0,75	21	480	621	19
3707N05051M07	51 x 0,75	22,5	485,2	633	19
3707N05055M07	55 x 0,75	23,9	498	669	19
3707N05060M07	60 x 0,75	25,7	576	1046	19
3707N05030M10	2 x 1	5,0	10,2	37	18
3707N05003M10	3 x 1	6,1	28,8	67	18
3707N05004M10	4 x 1	7	38,4	87	18
3707N05005M10	5 x 1	7,8	48	107	18
3707N05007M10	7 x 1	8,5	67,2	128	18
3707N05008M10	8 x 1	9,9	76,8	157	18
3707N05009M10	9 x 1	10,8	86,4	187	18
3707N05010M10	10 x 1	11	96	199	18
3707N05012M10	12 x 1	11,1	115,2	217	18
3707N05014M10	14 x 1	12,7	134,4	244	18
3707N05016M10	16 x 1	12,7	153,6	273	18
3707N05018M10	18 x 1	13,6	172,8	309	18
3707N05012M10	21 x 1	15	201,6	343	18
3707N05025M10	25 x 1	16,4	240	422	18
3707N05030M10	30 x 1	17	288	486	18
3707N05034M10	34 x 1	18,5	326,4	536	18
3707N05040M10	40 x 1	19,9	384	657	18
3707N05042M10	42 x 1	19,9	403,2	677	18
3707N05050M10	50 x 1	21,2	480	792	18
3707N05051M10	51 x 1	22,6	585,6	950	18
3707N05060M10	60 x 1	24,8	672	1024	18
3707N05080M10	80 x 1	27	768	1213	18

H05V-K, 300/500 V
H07V-K, 450/750 V
 PVC insulated single conductor

RoHS ✓ HAR CE

ELEKTROTEK KABEL® H05V-K

Construction:

Conductor: Flexible red copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
Insulation: Hisek (RAL 9005), PVC type 111 (other color on request)

Technical data:

Nominal voltage:
 up to 1 mm.²
 from 1.5 mm.²
Test voltage:
 H05V-K: 2,5 kV acc. to DIN VDE 0291 part 2 + HD 21.2
 H07V-K: 2,5 kV acc. to DIN VDE 0291 part 2 + HD 21.2
Temperature range: -10°C to +70°C
Min. bending radius: 8<D≤12 12<D≤20 D>20
 fixed laying: 3D 3D 4 x d 4 x d
 flexible applications: 6D 6D 6 x d 6 x d
Resistance: Self-extinguishing and flame retardant: acc. to DIN VDE 0482 part 265-2-1 / EN 60265-2-1 / IEC 60332-1-2

Features:

- ▶ flexible conductor
- ▶ harmonized acc. to European standards
- ▶ <HAR> H05V-K, H07V-K

H05V-K

Part no.	Cross section mm ²	Outer Ø Co. mm ±10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. #
3132060101G065	0,5	2,7	4,8	19	19
3132060101G07	0,75	2,4	7,2	12	19
3132060101G09	1	2,6	9,6	15	18

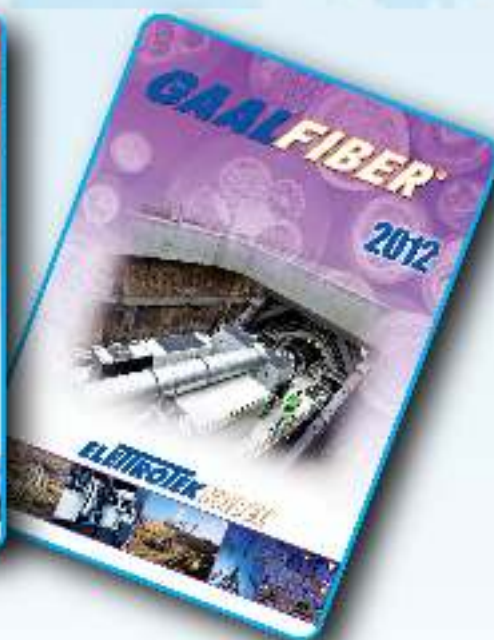
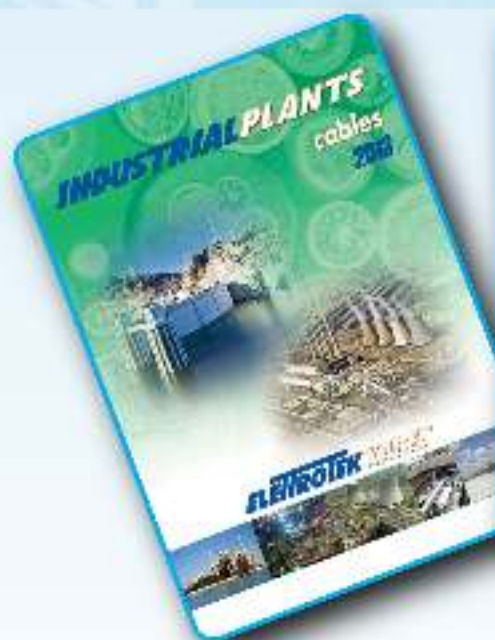
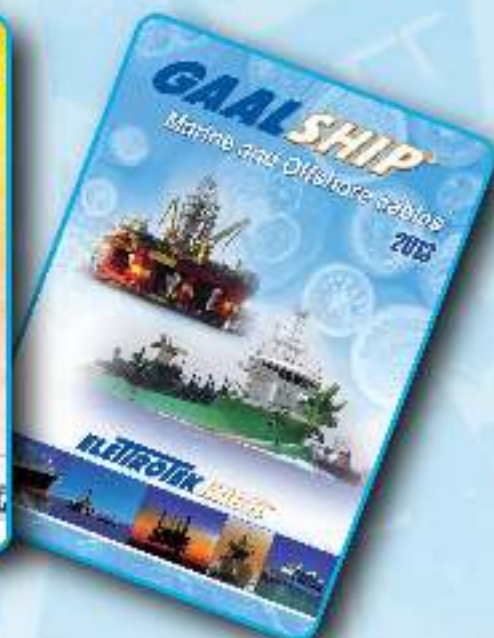
H07V-K

Part no.	Cross section mm ²	Outer Ø Co. mm ±10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. #
3132060101G015	1,5	3,7	14,4	21	16
3132060101G025	2,5	3,7	24	32	14
3132060101G040	4	4,3	38,4	47	12
3132060101G060	6	4,8	57,6	65	10
3132060101G07	7,0	6,8	96	119	8
3132060101G082	7,6	7,4	133,6	179	6
3132060101G093	9,5	9,1	240	215	4
3132060101G094	9,5	10,7	336	245	2
3132060101G095	50	12,7	480	405	1
3132060101G096	70	14,6	672	723	2/0
3132060101G097	95	16,7	912	909	3/0
3132060101G098	120	18,5	1152	1240	6/0
3132060101G099	150	21,4	1440	1550	250 MCM
3132060101G070	185	22,75	1776	1920	350 MCM
3132060101G071	240	26	2304	2400	450 MCM

Other dimensions and colors available on request.

A WIDE RANGE OF PRODUCTS AT YOUR DISPOSAL:

ELEKTROTEK KABEL®



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