

INDUSTRIAL LOW VOLTAGE CABLES



INDUSTRIAL LOW VOLTAGE CABLES

GAALFLEX® CONTROL N07V-K and H07V-K



CE

ELETTROTEK KABEL® N07V-K

Construction:

Conductor: flexible red copper conductor Cl.5, acc. to IEC 60228

Outer sheath: black (RAL 9005), PVC, type T11, for the other coloration, see technical data (PAG.428)

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
EN 60332-1 CEI 20-22II

Technical data:

Nominal voltage: 450/750 V

Test voltage: 2,5 kV

Temperature range: - 10 °C / + 70 °C

Max short circuit temperature: + 160 °C

Min. bending radius: $D \leq 8$ $8 < D \leq 12$ $12 < D \leq 20$ $D > 20$

Fixed laying: 3D 3D 4D 4D

Flexible application: 5D 5D 6D 6D

Features:

UNEL TABLE 35752

N07V-K

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
31380E01010M10	1x1	2,9	9,6	15	18
31380E01010M15	1x1,5	3,1	14,4	21	16
31380E01010M25	1x2,5	3,8	24	32	14
31380E01010M40	1x4	4,4	38,4	47	12
31380E01010M60	1x6	4,9	57,6	65	10
31380E01010M61	1x10	6,4	96	110	8
31380E01010M62	1x16	7,4	153,6	170	6
31380E01010M63	1x25	9,1	240	255	4
31380E01010M64	1x35	10,4	336	345	2
31380E01010M65	1x50	12,4	480	485	1
31380E01010M66	1x70	13,6	672	675	2/0
31380E01010M67	1x95	15,8	912	900	3/0
31380E01010M68	1x120	17,4	1152	1110	4/0
31380E01010M69	1x150	19,8	1440	1400	250 MCM
31380E01010M70	1x185	21,6	1776	1700	350 MCM
31380E01010M71	1x240	24,6	2304	2230	450 MCM

H07V-K

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
31320E01010M15	1x1,5	3,1	14,4	21	16
31320E01010M25	1x2,5	3,8	24	32	14
31320E01010M40	1x4	4,4	38,4	47	12
31320E01010M60	1x6	4,9	57,6	65	10
31320E01010M61	1x10	6,4	96	110	8
31320E01010M62	1x16	7,4	153,6	170	6
31320E01010M63	1x25	9,1	240	255	4
31320E01010M64	1x35	10,4	336	345	2
31320E01010M65	1x50	12,4	480	495	1
31320E01010M66	1x70	13,6	672	680	2/0
31320E01010M67	1x95	15,8	912	900	3/0
31320E01010M68	1x120	17,4	1152	1135	4/0
31320E01010M69	1x150	19,8	1440	1410	250 MCM
31320E01010M70	1x185	21,6	1776	1920	350 MCM
31320E01010M71	1x240	24,6	2304	2260	450 MCM

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

GAALFLEX® CONTROL H05V-U/H07V-U H07V-R



CE



Construction:

Conductor: solid or stranded red copper conductor
Cl. 1 or 2,
acc. to IEC 60228, DIN VDE 0295
0,5-1 mm² - H05V-U Cl.1
1,5-6 mm² - H07V-U Cl.1
6-400 mm² -H07V-R Cl.2

Outer sheath: black (RAL 9005),PVC,type T11,
for the other coloration,see technical
data (PAG.428)

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
EN 60332-1-2 CEI 20-22II

Technical data:

Nominal voltage

H05V-U: 300/500 V

H07V-U/R: 450/750 V

Test voltage

2,5 kV

H05V-U: 2 kV acc.to DIN VDE 0281 part 2 + HD 21.2

H07V-U/R: 2,5 kV acc.to DIN VDE 0281 part 2 + HD 21.2

Temperature range:

- 10 °C / + 70 °C

Max short circuit temperature:

+ 160 °C

Min. bending radius:

D≤8 8<D≤12 12<D≤20 D>20

Fixed laying:

3D 3D 4D 4D

Flexible application:

5D 5D 6D 6D

Features:

UNEL TABLE 35752

On request: acc.to BS 6004

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
31370D01010M05	1x0,5	2,1	4,8	9	20
31370D01010M07	1x0,75	2,3	7,2	12	19
31370D01010M10	1x1	2,5	9,6	15	18
31370E01010M15	1x1,5	2,9	14,4	19	16
31370E01010M25	1x2,5	3,5	24	32	14
31370E01010M40	1x4	4	38,4	47	12
31371E01010M60	1x6	4,7	57,6	65	10
31370E01010M61	1x10	6,1	96	112	8
31370E01010M62	1x16	7,1	153,6	168	6
31370E01010M63	1x25	8,9	240	265	4
31370E01010M64	1x35	9,9	336	355	2
31370E01010M65	1x50	11,7	480	485	1
31370E01010M66	1x70	13,3	672	675	2/0
31370E01010M67	1x95	15,8	912	940	3/0
31370E01010M68	1x120	17,2	1152	1170	4/0
31370E01010M69	1x150	19,1	1440	1440	250 MCM
31370E01010M70	1x185	21,3	1776	1820	350 MCM
31370E01010M71	1x240	24,3	2304	2340	450 MCM
31370E01010M72	1x300	27	2880	2940	600 MCM
31370E01010M73	1x400	30,3	3840	3740	900 MCM

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

SG-Flex (H01N2-D)



CE

ELETTROTEK KABEL® SG-Flex H01N2-D

Construction:

- Conductor:** flexible red copper conductor Cl.6, acc.to IEC 60228
- Outer sheath:** black (RAL 9005),rubber,type EM5, for the other coloration,see technical data (PAG.428)

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
EN 60332-1-2 CEI 20-22II



Oil resistant:
IEC 60811-2-1
DIN VDE 0473 part 811-2-1

Technical data:

- Nominal voltage:** 100/100 V
- Test voltage:** 1 kV
- Temperature range**
- Fixed laying:* - 40°C / +85°C
- Flexible application:* - 25°C / +85°C
- Max short circuit temperature:** + 250 °C
- Min. bending radius:** 8 x d

Features:

wires for arc welding, electrode holders for use with portable 100 V

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.⁹)
31390B01010M61	1x10	8,7	96	135	8
31390B01010M62	1x16	9,9	154	198	6
31390B01010M63	1x25	11,4	240	285	4
31390B01010M64	1x35	12,8	336	385	2
31390B01010M65	1x50	14,85	480	550	0
31390B01010M66	1x70	17,25	672	750	2/0
31390B01010M67	1x95	19,25	912	1015	3/0
31390B01010M68	1x120	21,6	1152	1250	4/0
31390B01010M69	1x150	23,75	1440	1540	250 MCM
31390B01010M70	1x185	26	1776	1800	350 MCM

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

FROR 300/500V and 450/750V



ELETTROTEK KABEL® FROR

Construction:

- Conductor:** flexible red copper conductor Cl.5, acc. to IEC 60228
- Insulation:** PVC, type Tl2
- Colour cores:** 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:** grey (RAL 7035), PVC, type TM2

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

Nominal voltage

- Control cables:* 300/500 V
- Power cables:* 450/750 V

Test voltage

- Control cables:* 2 kV
- Power cables:* 3 kV
- Temperature range:** - 10 °C / + 70 °C

Max short circuit temperature:

+ 160 °C

Min. bending radius

- Fixed laying:* 4 x d
- Flexible application:* 10 x d

Max. tensile stress:

15 N/mm²

Features:

according to IEC 60502-1

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

300/500 V

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46010D80071M10	7G1	11,1	67,2	165	18
46010D80101M10	10G1	14,3	96	240	18
46010D80121M10	12G1	14,8	115,2	270	18
46010D80161M10	16G1	16,5	153,6	350	18
46010D80191M10	19G1	17,7	182,4	400	18
46010D80241M10	24G1	20,7	230,4	510	18
46010D80271M10	27G1	21,4	259,2	610	18
46010D80071M15	7G1,5	13,1	100,8	230	16
46010D80101M15	10G1,5	16,7	144	340	16
46010D80121M15	12G1,5	17,5	172,8	380	16
46010D80161M15	16G1,5	19,4	230,4	480	16
46010D80191M15	19G1,5	20,5	273,6	560	16
46010D80241M15	24G1,5	24,3	345,6	700	16
46010D80271M15	27G1,5	25,0	388,8	770	16

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

FROR 300/500V and 450/750V



450/750 V

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46010E83020M10	2x1	8,7	19,2	165	18
46010E83020M15	2x1,5	9,2	28,8	240	16
46010E83020M25	2x2,5	11,2	48	270	14
46010E83020M40	2x4	12,5	76,8	350	12
46010E83020M60	2x6	13,9	115,2	400	10
46010E82031M10	3G1	9,1	28,8	510	18
46010E82031M15	3G1,5	9,8	43,2	610	16
46010E82031M25	3G2,5	11,9	72	230	14
46010E82031M40	3G4	13,5	115,2	340	12
46010E82031M60	3G6	14,9	172,8	380	10
46010E82041M10	4G1	9,9	38,4	480	18
46010E82041M15	4G1,5	10,9	57,6	560	16
46010E82041M25	4G2,5	12,9	96	700	14
46010E82041M40	4G4	14,7	153,6	770	12
46010E82041M60	4G6	16,3	230,4	405	10
46010E82051M10	5G1	11,1	48	150	18
46010E82051M15	5G1,5	12,0	72	180	16
46010E82051M25	5G2,5	14,3	120	265	14
46010E82051M40	5G4	16,5	192	375	12
46010E82051M60	5G6	18,0	288	495	10

Other dimensions and colours available on request.

ELETTROTEK KABEL® FROH2R

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	PVC, type T12
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2 green-yellow earth-wire from 3 cores
Screen:	red copper braid
Outer sheath:	grey (RAL 7035), PVC, type TM2

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

Nominal voltage:	450/750 V
Test voltage:	2,5 kV
Temperature range:	- 10 °C / + 70 °C
Max short circuit temperature	
<i>Fixed laying:</i>	+ 160 °C
<i>Flexible application:</i>	+ 150 °C
Min. bending radius:	12 x d
Max. tensile stress:	50 N/mm ²

Features:

according to IEC 60502-1

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46020E83020M15	2x1,5	9	80,5	118,4	16
46020E82031M10	3x1	9	58,2	123,5	18
46020E82031M15	3G1,5	9,45	80,5	142,2	16
46020E82031M25	3G2,5	11,2	113	203,8	14
46020E82041M10	4G1	9,7	75,7	144,8	18
46020E82041M15	4G1,5	10,5	95,6	173,5	16
46020E82041M25	4G2,5	12,2	146,2	242,5	14
46020E82041M40	4G4	14,3	210,7	345,6	12
46020E82041M60	4G6	15,6	298,4	441,3	10
46020E82051M10	5G1	10,7	86,1	175,4	18
46020E82051M15	5G1,5	11,4	113,2	209	16
46020E82051M25	5G2,5	13,6	175	308	14
46020E82051M40	5G4	16	260	430,7	12
46020E82051M60	5G6	17,2	358,7	536,7	10

Other dimensions and colours available on request.

ELETTROTEK KABEL® FR2OHH2R



Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	PVC, type R2
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2 green-yellow earth-wire from 3 cores
Screen:	aluminium tape and red copper braid
Outer sheath:	grey (RAL 7001), PVC, type Rz

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

Nominal voltage:	450/750 V
Test voltage:	2,5 kV
Temperature range:	- 10 °C / + 70 °C
Max short circuit temperature	
Fixed laying:	+ 160 °C
Flexible application:	+ 150 °C
Min. bending radius:	12 x d
Max. tensile stress:	50 N/mm ²

Features:

according to IEC 60502-1

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46030E83020M10	2x1	9,9	19,2	94	18
46030E83020M15	2x1,5	10,5	43,2	110	16
46030E83020M25	2x2,5	12,8	48	157	14
46030E83020M40	2x4	14,5	76,8	210	12
46030E83020M60	2x6	16,1	115,2	302	10
46030E82031M10	3G1	10,4	28,8	107	18
46030E82031M15	3G1,5	11,3	43,2	132	16
46030E82031M25	3G2,5	13,7	72	195	14
46030E82031M40	3G4	15,4	115,2	298	12
46030E82031M60	3G6	17	172,8	372	10
46030E82041M10	4G1	11,5	38,4	135	18
46030E82041M15	4G1,5	12,6	57,6	166	16
46030E82041M25	4G2,5	14,9	96	234	14
46030E82041M40	4G4	16,7	153,6	343	12
46030E82041M60	4G6	18,7	230,4	425	10
46030E82051M10	5G1	12	48	180	18
46030E82051M15	5G1,5	12,5	72	221	16
46030E82051M25	5G2,5	14,5	120	310	14
46030E82051M40	5G4	16,1	192	418	12
46030E82051M60	5G6	18,5	288	555	10

Other dimensions and colours available on request.

FRORAR 450/750V



Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	PVC, type R2
Colour cores:	black with numbered and Y/G earth-core
Inner sheath:	thermoplastic compound
Armour:	braid of galvanized steel wires
Outer sheath:	transparent, PVC, type TM2

Technical data:

Nominal voltage:	450/750 V
Test voltage:	2,5 kV
Temperature range:	- 10 °C / + 70 °C
Max short circuit temperature:	+ 160 °C
Min. bending radius:	8 x d

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Features:

according to IEC 60502-1

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

INDUSTRIAL LOW VOLTAGE CABLES

FRORAR 450/750V



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46040ET1020M05	2x0,5	7,1	9,6	52	20
46040ET0031M05	3G0,5	7,3	14,4	64	20
46040ET0041M05	4G0,5	8	19,2	81	20
46040ET0051M05	5G0,5	8,4	24	96	20
46040ET0071M05	7G0,5	8,9	33,6	118	20
46040ET0101M05	10G0,5	10,9	48	210	20
46040ET0121M05	12G0,5	11,3	57,6	230	20
46040ET0161M05	16G0,5	12,6	76,8	260	20
46040ET0241M05	24G0,5	15,2	115,2	425	20
46040ET1020M07	2x0,75	7,7	14,4	70	19
46040ET0031M07	3G0,75	8	21,6	88	19
46040ET0041M07	4G0,75	8,7	28,8	108	19
46040ET0051M07	5G0,75	9,2	36	128	19
46040ET0071M07	7G0,75	10,2	50,4	190	19
46040ET0101M07	10G0,75	12,5	72	255	19
46040ET0121M07	12G0,75	13,0	86,4	290	19
46040ET0161M07	16G0,75	14,0	115,2	350	19
46040ET0241M07	24G0,75	16,9	345,6	497	19
46040ET1020M10	2x1	8,1	19,2	105	18
46040ET0031M10	3G1	8,4	28,8	120	18
46040ET0041M10	4G1	9	38,4	137	18
46040ET0051M10	5G1	10,2	48	198	18
46040ET0071M10	7G1	10,8	67,2	220	18
46040ET0101M10	10G1	13,3	96	340	18
46040ET0121M10	12G1	14,0	115,2	400	18
46040ET0161M10	16G1	15,8	153,6	490	18
46040ET0241M10	24G1	18,1	230,4	510	18
46040ET1020M15	2x1,5	9,1	28,8	135	16
46040ET0031M15	3G1,5	9,9	43,2	170	16
46040ET0041M15	4G1,5	10,6	57,6	200	16
46040ET0051M15	5G1,5	11,3	72	235	16
46040ET0071M15	7G1,5	12,5	100,8	275	16
46040ET0101M15	10G1,5	15,6	144	465	16
46040ET0121M15	12G1,5	16,3	172,8	495	16
46040ET0161M15	16G1,5	17,7	230,4	550	16
46040ET0241M15	24G1,5	21,4	345,6	750	16
46040ET1020M25	2x2,5	10,7	43,2	210	14
46040ET0031M25	3G2,5	11,2	72	240	14
46040ET0041M25	4G2,5	12,4	96	270	14
46040ET0051M25	5G2,5	13,3	120	340	14
46040ET0071M25	7G2,5	15,1	168	450	14
46040ET0101M25	10G2,5	18,2	240	590	14
46040ET0121M25	12G2,5	19,0	288	630	14
46040ET0161M25	16G2,5	21,3	384	750	14
46040ET0241M25	24G2,5	24,9	576	1190	14
46040ET1020M40	2x4	12,7	76,8	270	12
46040ET0031M40	3G4	13,3	115,2	310	12
46040ET0041M40	4G4	15,1	153,6	400	12
46040ET0051M40	5G4	16,3	192	480	12
46040ET1020M60	2x6	14,1	115,2	390	10
46040ET0031M60	3G6	15,4	172,8	445	10
46040ET0041M60	4G6	16,6	230,4	580	10
46040ET0051M60	5G6	17,9	288	700	10
46040ET1020M61	2x10	17,5	192	640	8
46040ET0031M61	3G10	18,6	288	700	8
46040ET0041M61	4G10	20,4	384	860	8
46040ET0051M61	5G10	22,5	480	1080	8
46040ET1020M62	2x16	19,9	307,2	950	6
46040ET0031M62	3G16	21,6	460,8	1130	6
46040ET0041M62	4G16	23,4	614,4	1360	6
46040ET1020M63	2x25	23,9	480	1450	4
46040ET0031M63	3G25	25,2	720	1675	4
46040ET0041M63	4G25	27,5	960	1910	4

Other dimensions and colours available on request.

FG7(O)R 0,6/1 kV



ELETTROTEK KABEL® FG7OR

Construction:

- Conductor:** flexible red copper conductor Cl.5, acc. to IEC 60228
- Insulation:** rubber, type G7
- Colour cores:** 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:** grey (RAL 7035), PVC, type Rz

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

- Nominal voltage:** 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range:** - 15 °C / + 90 °C
- Max short circuit temperature**
- for sections up to 240 mm²:* + 250 °C
- for sections over 240 mm²:* + 220 °C
- Min. bending radius**
- Power cables:* 4 x d
- Control cables:* 6 x d
- Max. tensile stress:** 50 N/mm²

Features:

according to IEC 60502-1

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46050G8L010M15	1x1,5	6,3	14,4	51	16
46050G8L010M25	1x2,5	6,85	24	64	14
46050G8L010M40	1x4	7,5	38,4	80	12
46050G8L010M60	1x6	8	57,6	105	10
46050G8L010M61	1x10	8,5	96	150	8
46050G8L010M62	1x16	10	153,6	200	6
46050G8L010M63	1x25	11	240	300	4
46050G8L010M64	1x35	12,5	336	390	2
46050G8L010M65	1x50	15	480	540	1
46050G8L010M66	1x70	17	672	740	2/0
46050G8L010M67	1x95	18,8	912	940	3/0
46050G8L010M68	1x120	21	1152	1200	4/0
46050G8L010M69	1x150	23,5	1440	1480	250 MCM
46050G8L010M70	1x185	26	1776	1830	350 MCM
46050G8L010M71	1x240	28,5	2304	2340	450 MCM
46050G8L010M72	1x300	32	2880	2950	550 MCM
46050G8L010M73	1x400	36,5	3840	3930	750 MCM
46050G83020M15	2x1.5	10	28,8	150	16
46050G83020M25	2x2.5	11	48	190	14
46050G83020M40	2x4	12,5	76,8	240	12
46050G83020M60	2x6	13,5	115	310	10
46050G83020M61	2x10	15	192	440	8
46050G83020M62	2x16	17	307	600	6
46050G83020M63	2x25	20	480	850	4
46050G83020M64	2x35	23	672	1130	2
46050G83020M65	2x50	27	960	1580	1
46050G83020M66	2x70	33	1344	2050	2/0

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)R 0,6/1 kV



ELETTROTEK KABEL® FG7OR



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
46050G82031M15	3G1.5	12,5	43,2	170	16
46050G82031M25	3G2.5	13,5	72	220	14
46050G82031M40	3G4	15	115,2	280	12
46050G82031M60	3G6	16	172	370	10
46050G82031M61	3G10	18	288	530	8
46050G82031M62	3G16	20,5	461	740	6
46050G82031M63	3G25	24,5	720	1060	4
46050G82031M64	3G35	27,5	1008	1420	2
46050G82031M65	3G50	31	1440	1960	1
46050G82031M66	3G70	35,5	2016	2700	2/0
46050G82031M67	3G95	40	2736	3430	3/0
46050G82031M68	3G120	44	3456	4406	4/0
46050G82040M15	4x1.5	12	57,5	200	16
46050G82040M25	4x2.5	13	96	260	14
46050G82040M40	4x4	14,5	153,5	330	12
46050G82040M60	4x6	16	230	430	10
46050G82040M61	4x10	18	384	640	8
46050G82040M62	4x16	22	614,5	900	6
46050G82040M63	4x25	25,5	960	1300	4
46050G83035M64	3x35+1x25	28,5	1248	1650	4
46050G82035M64	3x35+1G25	28,5	1248	1650	4
46050G83035M65	3x50+1x25	32,5	1680	2200	4
46050G82035M65	3x50+1G25	32,5	1680	2200	4
46050G83035M66	3x70+1x35	37	2352	3000	2
46050G82035M66	3x70+1G35	37	2352	3000	2
46050G83035M67	3x95+1x50	42	3216	3900	1
46050G82035M67	3x95+1G50	42	3216	3900	1
46050G83035M68	3x120+1x70	47	4128	4700	2/0
46050G82035M68	3x120+1G70	47	4128	4700	2/0
46050G83035M69	3x150+1x95	52,5	5232	6300	3/0
46050G82035M69	3x150+1G95	52,5	5232	6300	3/0
46050G83035M70	3x185+1x95	57,5	6240	7600	3/0
46050G82035M70	3x185+1G95	57,5	6240	7600	3/0
46050G83035M71	3x240+1x150	65,5	8352	10000	250
46050G82035M71	3x240+1G150	65,5	8352	10000	250
46050G82041M15	4G1.5	13,5	57,6	200	16
46050G82041M25	4G2.5	14,5	96	260	14
46050G82041M40	4G4	16	153,6	330	12
46050G82041M60	4G6	17,5	230,4	430	10
46050G82041M61	4G10	20	384	640	8
46050G82041M62	4G16	22,5	614,4	900	6
46050G82041M63	4G25	27	960	1300	4
46050G82051M15	5G1,5	14,5	72	230	16
46050G82051M25	5G2,5	15,5	120	310	14
46050G82051M40	5G4	17,5	192	400	12
46050G82051M60	5G6	19	288	520	10
46050G82051M61	5G10	21,5	480	780	8
46050G82051M62	5G16	24,5	768	1120	6
46050G82051M63	5G25	29,3	1200	1680	4
46050G82051M64	5G35	30,8	1680	2140	2
46050G82051M66	5G70	46,9	3360	3600	2/0
46050G81070M15	7G1,5	14,27	100,8	261	16
46050G81070M25	7G2,5	15,5	168	326,5	14
46050G81100M15	10G1,5	16,9	144	359	16
46050G81100M25	10G2,5	19,17	240	443,5	14
46050G81120M15	12G1,5	17,7	172,8	395	16
46050G81120M25	12G2,5	19,6	288	491	14
46050G81160M15	16G1,5	19,9	230,4	529,5	16
46050G81160M25	16G2,5	21,6	384	818	14
46050G81190M15	19G1,5	20,9	291,8	612	16
46050G81190M25	19G2,5	23,6	456	1019	14
46050G81240M15	24G1,5	23,8	345,6	733	16
46050G81240M25	24G2,5	27,1	576	1110	14

Other dimensions and colours available on request.

RG7(O)R 0,6/1 kV



ELETTROTEK KABEL® RG7OR

Construction:

Conductor:	solid or stranded red copper conductor Cl. 1 or 2, acc. to IEC 60228
Insulation:	Rubber type G7
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2 green-yellow earth-wire from 3 cores
Wrapping:	not fibrous and not hygroscopic filler
Outer sheath:	grey (RAL 7035),PVC,type Rz

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	3,5 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature	
<i>for sections up to 240 mm²:</i>	+ 250 °C
<i>for sections over 240 mm²:</i>	+ 220 °C
Min. bending radius:	6 x d
Max. tensile stress	
<i>during installation:</i>	50 N/mm²
<i>static stress:</i>	15 N/mm²

Features:

UNEL TABLES 35357 - 35376 - 35377

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

Applications:

Power and control use outdoor and indoor applications, even wet. Suitable for fixed installation at open air, in tube or canals, masonry, metals structures, overhead wire and for direct and indirect underground wiring.

INDUSTRIAL LOW VOLTAGE CABLES

RG7(O)R 0,6/1 kV



ELETTROTEK KABEL® RG7OR

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46060G8L010M15	1x1,5	6,4	14,4	50	16
46060G8L010M25	1x2,5	6,9	24	60	14
46060G8L010M40	1x4	7,5	38,4	80	12
46060G8L010M60	1x6	8,1	57,6	100	10
46060G8L010M61	1x10	9	96	150	8
46060G8L010M62	1x16	10	153,6	210	6
46060G8L010M63	1x25	11,7	240	320	4
46060G8L010M64	1x35	13	336	410	2
46060G8L010M65	1x50	14,7	480	530	1
46060G8L010M66	1x70	16,6	672	750	2/0
46060G8L010M67	1x95	18,6	912	1050	3/0
46060G8L010M68	1x120	20,5	1152	1300	4/0
46060G8L010M69	1x150	22,8	1440	1600	250 MCM
46060G8L010M70	1x185	25	1776	2000	350 MCM
46060G8L010M71	1x240	27,9	2304	2500	450 MCM
46060G8L010M72	1x300	30,7	2880	3100	550 MCM
46060G8L010M73	1x400	35	3840	3900	750 MCM
46060G8L010M74	1x500	38,6	4800	5000	950 MCM
46060G83020M15	2x1,5	11,5	28,8	140	16
46060G83020M25	2x2,5	12,4	48	180	14
46060G83020M40	2x4	13,6	76,8	220	12
46060G83020M60	2x6	14,7	115,2	280	10
46060G83020M61	2x10	16,6	192	430	8
46060G83020M62	2x16	18,6	307,2	600	6
46060G83020M63	2x25	22,1	480	930	4
46060G83020M64	2x35	24,6	672	1200	2
46060G83020M65	2x50	28,1	960	1600	1
46060G83020M66	2x70	31,7	1344	2200	2/0
46060G83020M67	2x95	35,9	1824	2900	3/0
46060G83020M68	2x120	39,8	2304	3500	4/0
46060G82031M15	3G1,5	12	43,2	170	16
46060G82031M25	3G2,5	13	72	210	14
46060G82031M40	3G4	14,3	115,2	270	12
46060G82031M60	3G6	15,5	172,8	360	10
46060G82031M61	3G10	17,5	288	540	8
46060G82031M62	3G16	19,7	460,8	770	6
46060G82031M63	3G25	23,4	720	1200	4
46060G82031M64	3G35	26,2	1008	1500	2
46060G82031M65	3G50	29,9	1440	2000	1
46060G82031M66	3G70	34,1	2016	2800	2/0
46060G82031M67	3G95	38,3	2736	3700	3/0
46060G82031M68	3G120	44,7	3456	4500	4/0
46060G82031M69	3G150	42,5	4320	5600	250 MCM
46060G82031M70	3G185	52,9	5328	6900	350 MCM
46060G82031M71	3G240	59,3	6912	8900	450 MCM

INDUSTRIAL LOW VOLTAGE CABLES

RG7(O)R 0,6/1 kV



ELETTROTEK KABEL® RG7OR

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
46060G83040M15	4x1,5	12,9	57,6	210	16
46060G83040M25	4x2,5	14	96	260	14
46060G83040M40	4x4	15,4	153,6	350	12
46060G83040M60	4G6	16,7	230,4	460	10
46060G83040M61	4x10	19	384	700	8
46060G83040M62	4x16	21,5	614,4	1000	6
46060G83040M63	4x25	25,7	960	1500	4
46060G83035M64	3x35+1x25	28	1248	1800	2
46060G83035M65	3x50+1x25	31,1	1680	2200	1
46060G83035M66	3x70+1x35	35,4	2352	3100	2/0
46060G83035M67	3x95+1x50	40,3	3216	4100	3/0
46060G83035M68	3x120+1x70	44,9	4128	5200	4/0
46060G83035M69	3x150+1x95	50,3	5232	6400	250 MCM
46060G83035M70	3x185+1x95	54,9	6240	7800	350 MCM
46060G83035M71	3x240+1x150	62,8	8352	10300	450 MCM
46060G83035M72	3x300+1x150	67,8	10080	12300	550 MCM
46060G83035M73	3x400+1x240	78,8	13823	16200	750 MCM
46060G82035M64	3x35+1G25	28	1248	1800	2
46060G82035M65	3x50+1G25	31,1	1680	2200	1
46060G82035M66	3x70+1G35	35,4	2352	3100	2/0
46060G82035M67	3x95+1G50	40,3	3216	4100	3/0
46060G82035M68	3x120+1G70	44,9	4128	5200	4/0
46060G82035M69	3x150+1G95	50,3	5232	6400	250 MCM
46060G82035M70	3x185+1G95	54,9	6240	7800	350 MCM
46060G82035M71	3x240+1G150	62,8	8352	10300	450 MCM
46060G82035M72	3x300+1G150	67,8	10080	12300	550 MCM
46060G82035M73	3x400+1G240	78,8	13823	16200	750 MCM
46060G82051M15	5G1,5	13,8	260	260	16
46060G82051M25	5G2,5	15	330	330	14
46060G82051M40	5G4	16,5	460	460	12
46060G82051M60	5G6	18,1	288	570	10
46060G82051M61	5G10	20,6	480	860	8
46060G82051M62	5G16	23,4	768	1200	6
46060G82051M63	5G25	28	1200	1800	4
46060G82051M64	5G35	31,5	1680	2300	2
46060G82051M65	5G50	36,5	2400	3100	1

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

N1VV-K



ELETTROTEK KABEL® N1VV-K

Construction:

- Conductor:** flexible red copper conductor Cl.5, acc. to IEC 60228
- Insulation:** PVC, type R2
- Colour cores:** acc. to DIN VDE 0293-308, HD 308 S2 green-yellow earth-wire from 3 cores.
- Outer sheath:** light blue (RAL 5012), PVC, type Rz

Technical data:

- Nominal voltage:** 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range:** 0 °C / + 70 °C
- Max short circuit temperature:** + 160 °C
- Min. bending radius**
- Power cables:* 4 x d
- Control cables:* 6 x d
- Max. tensile stress:** 50 N/mm²

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Features:

according to IEC 60502-1 CEI 20-14, 20-11, 20-29, 20-67

Indoor and outdoor use

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46070GB3020M15	2x1,5	12,5	38,4	160	16
46070GB3020M25	2x2,5	13,4	48	200	14
46070GB3020M40	2x4	15,6	76,8	270	12
46070GB3020M60	2x6	16,8	115,2	350	10
46070GB3020M61	2x10	18,7	192	470	8
46070GB3020M62	2x16	20,9	307,2	670	6
46070GB3020M63	2x25	24,5	480	970	4
46070GB3020M64	2x35	27,1	672	1260	2
46070GB3020M65	2x50	31,2	960	1700	1
46070GB3020M66	2x70	34,8	1344	2300	2/0
46070GB2031M15	3G1,5	13,1	43,2	180	16
46070GB2031M25	3G2,5	14,1	72	240	14
46070GB2031M40	3G4	16,4	115,2	320	12
46070GB2031M60	3G6	17,7	172,8	400	10
46070GB2031M61	3G10	19,8	288	580	8
46070GB2031M62	3G16	22,1	460,8	820	6
46070GB2031M63	3G25	26	720	1200	4
46070GB2031M64	3G35	28,9	1008	1600	2
46070GB2031M65	3G50	33,3	1440	2150	1
46070GB2031M66	3G70	37,4	2016	2950	2/0
46070GB2031M67	3G95	42,8	2736	3800	3/0
46070GB2041M15	4G1,5	14,0	57,6	200	16
46070GB2041M25	4G2,5	15,2	96	270	14
46070GB2041M40	4G4	17,8	153,6	380	12
46070GB2041M60	4G6	19,2	230,4	480	10
46070GB2041M61	4G10	21,5	384	740	8
46070GB2041M62	4G16	24,2	614,4	1050	6
46070GB2041M63	4G25	28,5	960	1450	4
46070GB2051M15	5G1,5	15	72	250	16
46070GB2051M25	5G2,5	16,3	120	320	14
46070GB2051M40	5G4	19,2	192	450	12
46070GB2051M60	5G6	20,8	288	600	10
46070GB2051M61	5G10	23,4	480	880	8
46070GB2051M62	5G16	26,3	768	1220	6
46070GB2051M63	5G25	31,2	1200	1820	4

Other dimensions and colours available on request.

FG7(O)HIR 0,6/1 kV



ELETTROTEK KABEL® FG7OH1R

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	rubber, type G7
Colour cores:	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 core
Inner sheath:	filler compound
Screen:	two alternated copper tapes
Outer sheath:	grey (RAL 7035), PVC, type Rz

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	3,5 kV
Temperature range:	-15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	8 x d
tensile stress	
<i>during installation:</i>	50 N/mm ²
<i>static stress:</i>	15 N/mm ²

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Features:

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

Applications:

Power and control use outdoor and indoor applications, even wet. Suitable for fixed installation at open air, in tube or canals, masonry, metals structures, overhead wire and for direct and indirect underground wiring.
The most important property of this kind of cable is its protection against smokes, toxic and corrosive gases in case of fire.

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)HIR 0,6/1 kV



ELETTROTEK KABEL® FG7OH1R



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
46080G83020M15	2 x 1,5	12,5	241	16
46080G83020M25	2 x 2,5	13,5	280	14
46080G83020M40	2 x 4	14,5	336	12
46080G83020M60	2 x 6	15,5	395	10
46080G83020M61	2 x 10	18,5	567	8
46080G83020M62	2 x 16	20,5	738	6
46080G83020M63	2 x 25	25,2	1107	4
46080G83020M64	2 x 35	27,7	1403	2
46080G83020M65	2 x 50	30,5	1830	1
46080G83020M66	2 x 70	36,3	2571	2/0
46080G83020M67	2 x 95	39	3143	3/0
46080G83020M68	2 x 120	46,3	4316	4/0
46080G83020M69	2 x 150	52,7	5547	250
46080G82031M15	3 G 1,5	13	262	16
46080G82031M25	3 G 2,5	14	316	14
46080G82031M40	3 G 4	15	380	12
46080G82031M60	3 G 6	16	456	10
46080G82031M61	3 G 10	19,3	675	8
46080G82031M62	3 G 16	33,2	939	6
46080G82031M63	3 G 25	26,5	1346	4
46080G82031M64	3 G 35	29,2	1744	2
46080G82031M65	3 G 50	32,3	2262	1
46080G82031M66	3 G 70	38,4	3188	2/0
46080G82031M67	3 G 95	44	4309	3/0
46080G82031M68	3 G 120	51,5	5635	4/0
46080G82031M69	3 G 150	56,6	6921	250
46080G82031M70	3 G 185	60	8079	350
46080G82031M71	3 G 240	69,7	10639	450
46080G82041M15	4 G 1,5	13,7	298	16
46080G82041M25	4 G 2,5	14,8	357	14
46080G82041M40	4 G 4	16	438	12
46080G82041M60	4 G 6	17,3	535	10
46080G82041M61	4 G 10	20,8	802	8
46080G82041M62	4 G 16	24,6	1164	6
46080G82041M63	4 G 25	28,3	1664	4
46080G83035M64	3 x 35 + 1 x 25	31	2038	2
46080G83035M65	3 x 50 + 1 x 25	34,6	2606	1
46080G83035M66	3 x 70 + 1 x 35	40	3540	2/0
46080G83035M67	3 x 95 + 1 x 50	45,8	4818	3/0
46080G83035M68	3 x 120 + 1 x 70	53,8	6358	4/0
46080G83035M69	3 x 150 + 1 x 95	59	7852	250
46080G83035M70	3 x 185 + 1 x 95	62,8	9066	350
46080G83035M71	3 x 240 + 1 x 150	72,8	12078	450
46080G82051M15	5 G 1,5	15	351	16
46080G82051M25	5 G 2,5	16	424	14
46080G82051M40	5 G 4	17,5	527	12
46080G82051M60	5 G 6	18,9	653	10
46080G82051M61	5 G 10	23,5	1027	8
46080G82051M62	5 G 16	27	1415	6
46080G82051M63	5 G 25	31,6	2022	4
46080G80071M15	7 G 1,5	15,7	399	16
46080G80071M25	7 G 2,5	17	496	14
46080G80101M15	10 G 1,5	17,8	503	16
46080G80101M25	10 G 2,5	19,5	644	14
46080G80121M15	12 G 1,5	19,2	574	16
46080G80121M25	12 G 2,5	21	732	14
46080G80161M15	16 G 1,5	21	690	16
46080G80161M25	16 G 2,5	24	950	14
46080G80191M15	19 G 1,5	24,5	813	16
46080G80191M25	19 G 2,5	28,2	1056	14

Other dimensions and colours available on request.

FG7OH2R 0,6/1 KV



ELETTROTEK KABEL® FG7OH2R

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	rubber, type G7
Colour cores:	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 core
Inner sheath:	thermoplastic compound
Screen:	red copper braid
Outer sheath:	grey (RAL 7035), PVC, type Rz

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	8 x d
Max. tensile stress:	50 N/mm ²

Features:

according to IEC 60502-1

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. (*)
46090G8L010M61	1X10	9,5	139	-	8
46090G8L010M62	1X16	10,5	198	-	6
46090G8L010M63	1X25	12	283,5	-	4
46090G8L010M64	1X35	14,5	378	-	2
46090G8L010M65	1X50	16,5	522	-	1
46090G8L010M66	1X70	17,5	729	-	2/0
46090G8L010M67	1X95	20	967,5	-	3/0
46090G8L010M68	1X120	23	1219	-	4/0
46090G8L010M69	1X150	26	1512	-	250 MCM
46090G8L010M70	1X185	29,5	1858	-	350 MCM
46090G8L010M71	1X240	32	2394	-	450 MCM
46090G83020M15	2X1,5	12,5	72	241	16
46090G83020M25	2X2,5	13,5	90	280	14
46090G83020M40	2X4	15	121,5	336	12
46090G83020M60	2X6	16	157,5	395	10
46090G83020M61	2X10	18	238,5	567	8
46090G83020M62	2X16	20,5	364,5	738	6
46090G83020M63	2X25	24	558	1107	4
46090G83020M64	2X35	26,5	738	1403	2
46090G83020M65	2X50	30,5	1048,5	1830	1

INDUSTRIAL LOW VOLTAGE CABLES

FG7OH2R 0,6/1 KV



ELETTROTEK KABEL® FG7OH2R

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46090G82031M15	3G1,5	13,5	85,5	262	16
46090G82031M25	3G2,5	14,5	117	316	14
46090G82031M40	3G4	15,5	157,5	380	12
46090G82031M60	3G6	17	216	456	10
46090G82031M61	3G10	19	342	675	8
46090G82031M62	3G16	21,5	517,5	939	6
46090G82031M63	3G25	25,5	801	1346	4
46090G82031M64	3G35	28,5	1093	1744	2
46090G82031M65	3G50	32,5	1543	2262	1
46090G82031M66	3G70	37	2155,5	3188	2/0
46090G82031M67	3G95	41	2889	4309	3/0
46090G82031M68	3G120	46	3636	5635	4/0
46090G82031M69	3G150	51	4554	6921	250 MCM
46090G82041M15	4G1.5	14	99	298	16
46090G82041M25	4G2.5	15,5	139,5	357	14
46090G82041M40	4G4	16,5	198	438	12
46090G82041M60	4G6	18,5	274,5	535	10
46090G82041M61	4G10	21	445,5	802	8
46090G82041M62	4G16	23,5	688,5	1164	6
46090G82041M63	4G25	28	1048,5	1664	4
46090G82035M64	3X35+25	30,4	-	2038	2
46090G82035M65	3X50+25	33,6	-	2606	1
46090G82035M66	3X70+35	38,2	-	3540	2/0
46090G82035M67	3X95+50	43,4	-	4818	3/0
46090G82035M68	3X120+70	48,3	-	6358	4/0
46090G82035M69	3X150+95	53,9	-	7852	250 MCM
46090G82051M15	5G1.5	15,1	117	351	16
46090G82051M25	5G2.5	16,4	162	424	14
46090G82051M40	5G4	18,2	234	527	12
46090G82051M60	5G6	19,8	342	653	10
46090G82051M61	5G10	22,4	549	1027	8
46090G82051M62	5G16	25,4	846	1415	6
46090G82051M63	5G25	30,5	1300,5	2022	4
46090G82051M64	5G35	34,0	1809	-	2
46090G82051M65	5G50	39,4	2556	-	1
46090G80071M15	7G1,5	15,1	144	399	16
46090G80101M15	10G1,5	19,7	202,5	503	16
46090G80121M15	12G1,5	20,2	238,5	574	16
46090G80161M15	16G1,5	22	301,5	690	16
46090G80191M15	19G1,5	23	346,5	813	16
46090G80241M15	24G1,5	26,4	432	972	16
46090G80071M25	7G2,5	17,8	211,5	1218	14
46090G80101M25	10G2,5	21,6	297	644	14
46090G80121M25	12G2,5	22,2	360	732	14
46090G80161M25	16G2,5	24,3	459	950	14
46090G80191M25	19G2,5	25,4	535,5	1056	14
46090G80241M25	24G2,5	29,3	675	1281	14

Other dimensions and colours available on request.

NIVC7V-K



Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	PVC, type R2
Colour cores:	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 core
Wrapping:	not fibrous and hygroscopic materials
Screen:	two alternated copper tapes
Outer sheath:	light blue (RAL 5012), PVC, type Rz

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 10 °C / + 70 °C
Max short circuit temperature:	+ 160 °C
Min. bending radius:	8 x d
Tensile stress	
<i>during installation:</i>	50 N/mm ²
<i>static stress:</i>	15 N/mm ²

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Features:

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22
according to CEI 20-14
UNEL TABLES 35357 - 35376
Indoor and outdoor use

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
46100GB3020M15	2x1,5	13,4	250	16
46100GB3020M25	2x2,5	14,7	310	14
46100GB3020M40	2x4	16,3	410	12
46100GB3020M60	2x6	17,3	460	10
46100GB3020M61	2x10	19,3	580	8
46100GB3020M62	2x16	22,8	820	6
46100GB3020M63	2x25	27,2	1180	4
46100GB2031M15	3G1,5	13,8	270	16
46100GB2031M25	3G2,5	15,2	360	14
46100GB2031M40	3G4	16,8	420	12
46100GB2031M60	3G6	18	500	10
46100GB2031M61	3G10	20,3	700	8
46100GB2031M62	3G16	24,3	1020	6
46100GB2031M63	3G25	28	1450	4
46100GB2041M15	4G1,5	14,6	310	16
46100GB2041M25	4G2,5	16,2	390	14
46100GB2041M40	4G4	18	480	12
46100GB2041M60	4G6	19,3	600	10

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

GAALFLEX® VFD FG7(O)CR

inverter, connection to frequency converters



ELETTROTEK KABEL® FG7OCR



Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	rubber, type G7
Colour cores:	acc. to DIN VDE 0293-308, HD 308 (brown - gray - black)
Stranding:	cores laying to concentric crowns to ensure roundness to the cable
Inner sheath:	PVC, type R2
Screen:	red copper braid
Outer sheath:	grey (RAL 7035), PVC, type Rz

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 20 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	8 x d

Features:

according to IEC 60502-1 and CEI 20-13 CEI-UNEL 35375

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
33190G83030M25	3x2,5+SH	14,6	96	340	14
33190G83030M40	3x4+SH	15,8	134	400	12
33190G83030M60	3x6+SH	18,7	231	490	10
33190G83030M61	3x10+SH	21,7	336	720	8
33190G83030M62	3x16+SH	25,3	615	1040	6
33190G83030M63	3x25+SH	28,8	873	1410	4
33190G83030M64	3x35+SH	32,2	1162	1870	2
33190G83030M65	3x50+SH	36	1680	2400	1
33190G83030M66	3x70+SH	40,7	2352	3360	2/0
33190G83030M67	3x95+SH	47,6	3192	4350	3/0
33190G83030M68	3x120+SH	52,2	4032	5540	4/0
33190G83030M69	3x150+SH	56,4	5040	6880	250 MCM
33190G83030M70	3x185+SH	64,8	6216	8350	350 MCM
33190G83030M71	3x240+SH	74,5	8604	11540	450 MCM
33190G83030M72	3x300+SH	85,5	10080	13480	550 MCM

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

GAALFLEX® VFD FG7OHH2R

0,6/1 KV inverter, connection to frequency converters



ELETTROTEK KABEL® FG7OHH2R



Construction:

- Conductor:** flexible red copper conductor Cl.5, acc. to IEC 60228
- Insulation:** rubber, type G7
- Colour cores:** acc. to DIN VDE 0293-308, HD 308 (brown - gray - black)
- Inner sheath:** PVC, type Rz
- Screen:** aluminium stripe (100% covering), red copper braid of the same section as the phase conductor (for sections up to 16 mm²) or equal to half phase conductor, with a minimum of 16 mm² (for section greater than 25 mm²)
- Outer sheath:** grey (RAL 7001), PVC, type Rz

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

- Nominal voltage:** 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range:** - 15 °C / + 90 °C
- Max short circuit temperature:** + 250 °C
- Min. bending radius:** 8 x d

Features:

according to IEC 60502-1 and CEI 20-13 CEI-UNEL 35375

on request: FG7OHH2M1-0,6/1 kV, Halogen free Version with green M1 LS0H thermoplastic sheath

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
33170G83030M25	3x2,5+SH	14,6	96	340	14
33170G83030M40	3x4+SH	15,8	134	400	12
33170G83030M60	3x6+SH	18,5	231	490	10
33170G83030M61	3x10+SH	21	336	720	8
33170G83030M62	3x16+SH	23,5	615	1040	6
33170G83030M63	3x25+SH	27	873	1410	4
33170G83030M64	3x35+SH	30,5	1162	1870	2
33170G83030M65	3x50+SH	35	1680	2400	1
33170G83030M66	3x70+SH	40	2352	3360	2/0
33170G83030M67	3x95+SH	45	3192	4350	3/0
33170G83030M68	3x120+SH	50	4032	5540	4/0
33170G83030M69	3x150+SH	55,4	5040	6880	250 MCM
33170G83030M70	3x185+SH	61,5	6216	8350	350 MCM
33170G83030M71	3x240+SH	68	8604	11540	450 MCM
33170G83030M72	3x300+SH	73,5	10080	13480	550 MCM

Other dimensions and colours available on request.

FG7(O)NR 0.6/1 kV



ELETTROTEK KABEL® FG7ONR

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	rubber, type G7
Colour cores:	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
Inner sheath:	PVC, type Rz
Armour:	steel tapes
Outer sheath:	grey (RAL 7035), PVC, type Rz

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	0 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	14 x d

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Features:

according to IEC 60502-1

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)NR 0.6/1 kV



ELETTROTEK KABEL® FG7ONR

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46110G83020M15	2x1,5	13,5	28,8	265	16
46110G83020M25	2x2,5	14,4	48	310	14
46110G83020M40	2x4	15,6	76,8	370	12
46110G83020M60	2x6	16,6	115,2	430	10
46110G83020M61	2x10	19,4	192	610	8
46110G83020M62	2x16	21,5	307,2	790	6
46110G83020M63	2x25	26,3	480	1180	4
46110G83020M64	2x35	28,8	672	1460	2
46110G83020M65	2x50	31,6	960	1910	1
46110G83020M66	2x70	37,8	1344	2750	2/0
46110G83020M67	2x95	40,4	1824	3330	3/0
46110G83020M68	2x120	47,8	2304	4540	4/0
46110G83020M69	2x150	54,3	2880	5800	300 MCM
46110G82031M15	3G1,5	14	43,2	300	16
46110G82031M25	3G2,5	15	72	350	14
46110G82031M40	3G4	16	115,2	420	12
46110G82031M60	3G6	17,2	172,8	500	10
46110G82031M61	3G10	20,4	288	730	8
46110G82031M62	3G16	23,4	460,8	1000	6
46110G82031M63	3G25	27,7	720	1420	4
46110G82031M64	3G35	30,3	1008	1830	2
46110G82031M65	3G50	33,4	1440	2360	1
46110G82031M66	3G70	39,9	2016	3380	2/0
46110G82031M67	3G95	45,7	2736	4530	3/0
46110G82031M68	3G120	53,1	3456	5890	4/0
46110G82031M69	3G150	58	4320	7200	300 MCM
46110G82031M70	3G185	61,7	5328	8390	350 MCM
46110G82031M71	3G240	71,2	6912	11000	500 MCM
46110G83035M64	3x35+1x25	32,2	1248	2107	2
46110G83035M65	3x50+1x25	35,7	1680	2694	1
46110G83035M66	3x70+1x35	41,3	2352	3714	2/0
46110G83035M67	3x95+1x50	47,3	3216	5014	3/0
46110G83035M68	3x120+1x70	55,4	4128	6594	4/0
46110G83035M69	3x150+1x95	60,5	5232	8109	300 MCM
46110G83035M70	3x185+1x95	64,3	6240	9340	350 MCM
46110G83035M71	3x240+1x150	74,2	8352	12395	500 MCM
46110G82041M15	4G1,5	14,8	57,6	315	16
46110G82041M25	4G2,5	15,8	96	380	14
46110G82041M40	4G4	17,2	153,6	469	12
46110G82041M60	4G6	18,5	230,4	572	10
46110G82041M61	4G10	22	384	846	8
46110G82041M62	4G16	25,8	614,4	1216	6
46110G82041M63	4G25	29,8	960	1729	4
46110G82051M15	5G1,5	16	72	390	16
46110G82051M25	5G2,5	17	120	470	14
46110G82051M40	5G4	18,6	192	580	12
46110G82051M60	5G6	20	288	700	10
46110G82051M61	5G10	24,7	480	1090	8
46110G82051M62	5G16	27,9	768	1490	6
46110G82051M63	5G25	32,7	1200	2110	4
46110G80071M15	7G1,5	16,7	100,8	440	16
46110G80071M25	7G2,5	18,3	168	550	14
46110G80101M15	10G1,5	18,8	144	490	16
46110G80101M25	10G2,5	20,6	240	700	14
46110G80121M15	12G1,5	20,4	172,8	630	16
46110G80121M25	12G2,5	22,3	288	800	14
46110G80161M15	16G1,5	22	230,4	750	16
46110G80161M25	16G2,5	25	384	1020	14
46110G80191M15	19G1,5	23,7	273,6	880	16
46110G80191M25	19G2,5	26	456	1130	14
46110G80241M15	24G1,5	26,6	345,6	1050	16
46110G80241M25	24G2,5	29,4	576	1370	14

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)RAR 0.6/1 kV



ELETTROTEK KABEL® FG7ORAR

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	rubber, type G7
Colour cores:	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
Inner sheath:	PVC compound
Armour:	braid of galvanized steel wires
Outer sheath:	grey (RAL 7035), PVC, type Rz

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	10 x d

Features:

according to IEC 60502-1

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)RAR 0.6/1 kV



ELETTROTEK KABEL® FG7ORAR

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46120G83020M15	2x1,5	10,3	28,8	162	16
46120G82031M15	3G1,5	10,8	48	188	16
46120G82041M15	4G1,5	11,6	57,6	212	16
46120G82051M15	5G1,5	12,5	72	237	16
46120G80071M15	7G1,5	13,4	100,8	273	16
46120G80101M15	10G1,5	16,4	144	399	16
46120G80121M15	12G1,5	17,2	172,8	481	16
46120G80161M15	16G1,5	19,1	230,4	596	16
46120G80191M15	19G1,5	20,2	273,6	666	16
46120G80241M15	24G1,5	22,8	345,6	861	16
46120G80301M15	30G1,5	24,6	432	1029	16
46120G80361M15	36G1,5	26,7	518,4	1197	16
46120G80481M15	48G1,5	30,3	691,2	1470	16
46120G83020M25	2x2,5	11,4	48	190	14
46120G82031M25	3G2,5	12	72	230	14
46120G82041M25	4G2,5	12,9	96	268	14
46120G82051M25	5G2,5	14	120	328	14
46120G80071M25	7G2,5	15,3	168	407	14
46120G80101M25	10G2,5	18,7	240	579	14
46120G80121M25	12G2,5	19,7	288	671	14
46120G80161M25	16G2,5	21,9	384	824	14
46120G80191M25	19G2,5	23	456	947	14
46120G80241M25	24G2,5	26,1	576	1187	14
46120G80301M25	30G2,5	28,3	720	1520	14
46120G80361M25	36G2,5	30,5	864	1640	14
46120G83020M40	2x4	12,7	76,8	242	12
46120G82031M40	3G4	13,3	115,2	299	12
46120G82041M40	4G4	14,7	153,6	360	12
46120G82051M40	5G4	15,9	192	410	12
46120G80071M40	7G4	17,4	268,8	530	12
46120G80101M40	10G4	21,5	384	851	12
46120G80121M40	12G4	22,5	460,8	989	12
46120G80161M40	16G4	25,1	614,4	1344	12
46120G80191M40	19G4	26,4	729,6	1560	12
46120G83020M60	2x6	14,2	115,2	327	10
46120G82031M60	3G6	14,9	172,8	394	10
46120G82041M60	4G6	16,2	230,4	497	10
46120G82051M60	5G6	17,9	288	641	10
46120G80071M60	7G6	19,3	403,2	814	10
46120G80101M60	10G6	24	576	1282	10
46120G80121M60	12G6	25,4	691,2	1502	10
46120G80161M60	16G6	28,1	921,6	1964	10
46120G83020M61	2x10	16,3	192	578	8
46120G82031M61	3G10	17,4	288	637	8
46120G82041M61	4G10	19,2	384	777	8
46120G82051M61	5G10	21	480	1040	8
46120G83020M62	2x16	18,9	307,2	746	6
46120G82031M62	3G16	20	460,8	987	6
46120G82041M62	4G16	21,8	614,4	1082	6
46120G83020M63	2x25	22,8	480	1260	4
46120G82031M63	3G25	24,1	720	1460	4
46120G82041M63	4G25	26,7	960	1659	4

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)H2RAR 0.6/1 kV



ELETTROTEK KABEL® FG7OH2RAR

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	rubber, type G7
Colour cores:	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
Screen:	red copper braid
Inner sheath:	PVC compound
Armour:	braid of galvanized steel wires
Outer sheath:	grey (RAL 7035), PVC, type Rz

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 20 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	15 x d

Features:

according to IEC 60502-1

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)H2RAR 0.6/1 kV



ELETTROTEK KABEL® FG7OH2RAR

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
46130G83020M15	2x1,5	16,1	239	16
46130G82031M15	3G1,5	17,1	260	16
46130G82041M15	4G1,5	17,6	306	16
46130G82051M15	5G1,5	18,7	338	16
46130G80071M15	7G1,5	19,7	388	16
46130G80101M15	10G1,5	23,3	552	16
46130G80121M15	12G1,5	23,8	573	16
46130G80161M15	16G1,5	25,6	722	16
46130G80191M15	19G1,5	26,6	779	16
46130G80241M15	24G1,5	30	948	16
46130G83020M25	2x2,5	16,1	299	14
46130G82031M25	3G2,5	17,1	329	14
46130G82041M25	4G2,5	19,1	387	14
46130G82051M25	5G2,5	20	440	14
46130G83020M40	2x4	18,6	361	12
46130G82031M40	3G4	19,1	414	12
46130G82041M40	4G4	19,5	493	12
46130G82051M40	5G4	21,8	573	12
46130G82031M60	3G6	20,6	488	10
46130G82041M60	4G6	22,1	599	10
46130G82051M60	5G6	23,4	703	10
46130G83020M61	2x10	64,8	567	8
46130G82031M61	3G10	68,4	673	8
46130G82041M61	4G10	24,6	818	8
46130G82051M61	5G10	34,1	997	8
46130G83020M62	2x16	24,1	767	6
46130G82031M62	3G16	25,1	915	6
46130G82041M62	4G16	27,1	1000	6
46130G83020M63	2x25	17,1	1084	4
46130G82031M63	3G25	18,1	1318	4
46130G82041M63	4G25	31,6	1677	4

Other dimensions and colours available on request.

FG7(O)HH2RAR 0.6/1 kV



ELETTROTEK KABEL® FG7OHH2RAR

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	rubber HEPR
Colour cores:	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
Screen:	aluminium tape and red copper braid
Inner sheath:	PVC compound
Armour:	braid of galvanized steel wires
Outer sheath:	grey (RAL 7035), PVC, type Rz

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 20 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	15 x d

Features:

according to IEC 60502-1

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)HH2RAR 0.6/1 kV



ELETTROTEK KABEL® FG7OHH2RAR

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
46140G83020M15	2x1,5	16,1	245	16
46140G82031M15	3G1,5	17,1	265	16
46140G82041M15	4G1,5	17,6	310	16
46140G82051M15	5G1,5	18,7	340	16
46140G80071M15	7G1,5	19,7	390	16
46140G80101M15	10G1,5	23,3	555	16
46140G80121M15	12G1,5	23,8	575	16
46140G80161M15	16G1,5	25,6	725	16
46140G80191M15	19G1,5	26,6	785	16
46140G80241M15	24G1,5	30	950	16
46140G83020M25	2x2,5	16,1	305	14
46140G82031M25	3G2,5	17,1	335	14
46140G82041M25	4G2,5	19,1	390	14
46140G82051M25	5G2,5	20	445	14
46140G83020M40	2x4	18,6	365	12
46140G82031M40	3G4	19,1	420	12
46140G82041M40	4G4	19,5	495	12
46140G82051M40	5G4	21,8	575	12
46140G82031M60	3G6	20,6	490	10
46140G82041M60	4G6	22,1	600	10
46140G82051M60	5G6	23,4	705	10
46140G83020M61	2x10	64,8	570	8
46140G82031M61	3G10	68,4	675	8
46140G82041M61	4G10	24,6	820	8
46140G82051M61	5G10	34,1	1000	8
46140G83020M62	2x16	24,1	770	6
46140G82031M62	3G16	25,1	920	6
46140G82041M62	4G16	27,1	1005	6
46140G83020M63	2x25	17,1	1090	4
46140G82031M63	3G25	18,1	1320	4
46140G82041M63	4G25	31,6	1680	4

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

GAALFLEX® CONTROL 1000 BH

halogen-free, control cable with coloured cores 0,6/1 kV



CE

GAALFLEX® CONTROL 1000 BH

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	halogen-free compound
Colour cores:	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
Wrapping:	filler compound
Outer sheath:	grey (RAL 7035), thermoplastic, halogen-free, type M1

Resistance:



Self-extinguishing and flame retardant acc. to:

DIN VDE 0482 part 265-2-1
EN 50266-2-4
IEC 60332-1-2 CEI 20-22 III
(equivalent IEC 60332-3-24)



Halogen free acc. to:

DIN VDE 0482 part 267
EN 50267-2-1
IEC 60754-1



Corrosiveness of conflagration gases acc. to:

DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius	
<i>Fixed laying:</i>	4 x d
<i>Flexible application:</i>	6 x d
tensile stress	
<i>during installation:</i>	50 N/mm ²
<i>static stress:</i>	15 N/mm ²

Features:

CEI 20-13 / 20-22 III (EN 50266) / 20-35 (EN 60332-1)
20-37 (EN 50267) / UNEL TABLES 35382 - 35384

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
31260G53020M15	2 x 1,5	10	28,8	127	16
31260G53020M25	2 x 2,5	10,9	48	158	14
31260G53020M40	2 x 4	11,9	76,8	208	12
31260G53020M60	2 x 6	13,1	115,2	258	10
31260G53020M61	2 x 10	15,3	192,0	385	8
31260G53020M62	2 x 16	17,5	307,2	565	6
31260G53020M63	2 x 25	20,3	480	793	4
31260G53020M64	2 x 35	22,4	672	1037	2
31260G53020M65	2 x 50	26,2	960	1447	1
31260G53020M66	2 x 70	30,9	1344	2224	2/0
31260G53020M67	2 x 95	34,2	1824	2848	3/0
31260G53020M68	2 x 120	38,4	2304	3599	4/0
31260G53020M69	2 x 150	42,5	2880	3939	250 MCM

INDUSTRIAL LOW VOLTAGE CABLES

GAALFLEX® CONTROL 1000 BH

halogen-free, control cable with coloured cores 0,6/1 kV



CE

GAALFLEX® CONTROL 1000 BH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
31260G52031M15	3 G 1,5	10,4	43,2	143	16
31260G52031M25	3 G 2,5	11,4	72	183	14
31260G52031M40	3 G 4	12,8	115,2	244	12
31260G52031M60	3 G 6	13,8	172,8	314	10
31260G52031M61	3 G 10	16,9	288	493	8
31260G52031M62	3 G 16	18,2	460,8	678	6
31260G52031M63	3 G 25	21,2	720	977	4
31260G52031M64	3 G 35	23,5	1008	1354	2
31260G52031M65	3 G 50	29,5	1440	1918	1
31260G52031M66	3 G 70	30	2016	2624	2/0
31260G52031M67	3 G 95	34	2736	3418	3/0
31260G52031M68	3 G 120	37,9	3456	4326	4/0
31260G52031M69	3 G 150	42,6	4320	5348	250 MCM
31260G52031M70	3 G 185	47,2	5328	6611	350 MCM
31260G52031M71	3 G 240	53,4	6912,0	8613	450 MCM
31260G52031M72	3 G 300	60,7	8640,0	10700	550 MCM
31260G52041M15	4 G 1,5	10,9	57,6	167	16
31260G52041M25	4 G 2,5	12,3	96,0	217	14
31260G52041M40	4 G 4	13,7	153,6	293	12
31260G52041M60	4 G 6	15	230,5	376	10
31260G52041M61	4 G 10	18	384,0	599	8
31260G52041M62	4 G 16	20,3	614,4	871	6
31260G52041M63	4 G 25	23,5	960,0	1239	4
31260G52035M64	3 x 35 + 1 G 25	26,3	1248,0	1589	2
31260G52035M65	3 x 50 + 1 G 25	30,3	1680,0	2116	1
31260G52035M66	3 x 70 + 1 G 35	35,7	2352,0	2975	2/0
31260G52035M67	3 x 95 + 1 G 50	41,2	3216,0	3971	3/0
31260G52035M68	3 x 120 + 1 G 70	45	4128,0	5219	4/0
31260G52035M69	3 x 150 + 1 G 95	52	5232,0	6511	250 MCM
31260G52035M70	3 x 185 + 1 G 95	56,7	6240,0	7669	350 MCM
31260G52035M71	3 x 240 + 1 G 150	65,6	8352,0	10279	450 MCM
31260G52035M72	3 x 300 + 1 G 150	68	10080,0	10700	550 MCM
31260G52051M15	5 G 1,5	12,1	72,0	197	16
31260G52051M25	5 G 2,5	13,5	120,0	266	14
31260G52051M40	5 G 4	15,2	196,0	361	12
31260G52051M60	5 G 6	16,7	288,0	471	10
31260G52051M61	5 G 10	19,7	480,0	756	8
31260G52051M62	5 G 16	22,5	768,0	1119	6
31260G52051M63	5 G 25	26,5	1200,0	1597	4
31260G52051M64	5 G 35	32,9	1680,0	2160	2
31260G52051M65	5 G 50	38,3	2400,0	3000	1
31260G50071M15	7 G 1,5	13,6	100,8	261	16
31260G50071M25	7 G 2,5	15	168,0	347	14
31260G50071M25	10 G 1,5	15,2	144,0	344	16
31260G50071M25	10 G 2,5	15,0	240,0	463	14
31260G50121M15	12 G 1,5	17,2	172,8	397	16
31260G50121M25	12 G 2,5	17,6	288,0	537	14
31260G50121M25	16 G 1,5	18,5	230,4	535	16
31260G50121M25	16 G 2,5	21,5	384,0	738	14
31260G50191M25	19 G 1,5	18,8	273,6	598	16
31260G50191M25	19 G 2,5	21,6	456,0	831	14
31260G50241M25	24 G 1,5	21,7	324,0	718	16
31260G50241M25	24 G 2,5	24,7	576,0	1029	14

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)MI 0,6/1 kV



ELETTROTEK KABEL® FG7OM1

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	HEPR, type G7
Colour cores:	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
Inner sheath:	not hygroscopic filler
Outer sheath:	green (RAL 6018), thermoplastic, halogen-free, type M1

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50266-2-4
IEC 60332-1-2 CEI 20-22 III
(equivalent IEC 60332-3-24)



Halogen free acc. to:
DIN VDE 0482 part 267
EN 50267-2-1
IEC 60754-1



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius	
<i>Power cables:</i>	4 x d
<i>Control cables:</i>	6 x d
Max. tensile stress:	50 N/mm ²

Features:

CEI 20-13 / 20-22 III (EN 50266) / 20-35 (EN 60332-1)
20-37 (EN 50267) / UNEL TABLES 35382 - 35384

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46150GEL010M62	1x16	9,6	153,6	206	6
46150GEL010M63	1x25	11,5	240	295	4
46150GEL010M64	1x35	12,5	336	359	2
46150GEL010M65	1x50	14,5	480	542	1
46150GEL010M66	1x70	16,4	672	739	2/0
46150GEL010M67	1x95	18	912	964	3/0
46150GEL010M68	1x120	20,3	1152	1189	4/0
46150GEL010M69	1x150	21,6	1440	1484	250 MCM
46150GEL010M70	1x185	24	1776	1780	350 MCM
46150GEL010M71	1x240	27	2304	2319	450 MCM
46150GEL010M72	1x300	29,3	2880	2877	550 MCM
46150GE3020M15	2x1,5	10	28,8	127	16
46150GE3020M25	2x2,5	11	48	158	14
46150GE3020M40	2x4	12,2	76,8	208	12
46150GE3020M60	2x6	13,1	115,2	258	10
46150GE3020M61	2x10	15,2	192	385	8
46150GE3020M62	2x16	17,4	307,2	565	6
46150GE3020M63	2x25	20,3	480	793	4
46150GE3020M64	2x35	22,3	672	1037	2
46150GE3020M65	2x50	26,2	960	1447	1
46150GE3020M66	2x70	30,8	1344	2224	2/0
46150GE3020M67	2x95	34,2	1824	2848	3/0
46150GE3020M68	2x120	38,4	2304	3599	4/0
46150GE3020M69	2x150	42,4	2880	3939	250 MCM

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)MI 0,6/I kV



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46150GE2031M15	3G1,5	10,4	43,2	143	16
46150GE2031M25	3G2,5	11,4	72	183	14
46150GE2031M40	3G4	12,8	115,2	244	12
46150GE2031M60	3G6	13,8	172,8	314	10
46150GE2031M61	3G10	16,9	288	493	8
46150GE2031M62	3G16	18,2	460,8	678	6
46150GE2031M63	3G25	21,2	720	977	4
46150GE2031M64	3G35	23,5	1008	1354	2
46150GE2031M65	3G50	30	1440	1918	1
46150GE2031M66	3G70	34	2016	2624	2/0
46150GE2031M67	3G95	37,8	2736	3418	3/0
46150GE2031M68	3G120	42,6	3456	4326	4/0
46150GE2031M69	3G150	47,1	4320	5348	250 MCM
46150GE2031M70	3G185	53,3	5328	6611	350 MCM
46150GE2031M71	3G240	60,7	6912	8613	450 MCM
46150GE2041M15	4G1,5	11,2	57,6	167	16
46150GE2041M25	4G2,5	12,3	96	221	14
46150GE2041M40	4G4	13,7	153,6	293	12
46150GE2041M60	4G6	14,9	230,4	387	10
46150GE2041M61	4G10	18	384	599	8
46150GE2041M62	4G16	20,3	614,4	871	6
46150GE2041M63	4G25	23,5	960	1239	4
46150GE2035M64	3x35+25	26,3	1248	1589	2
46150GE2035M65	3x50+25	30,3	1680	2116	1
46150GE2035M66	3x70+35	35,7	2352	2975	2/0
46150GE2035M67	3x95+50	41	3216	3971	3/0
46150GE2035M68	3x120+70	45	4128	5219	4/0
46150GE2035M69	3x150+95	52	5232	6511	250 MCM
46150GE2035M70	3x185+95	56,72	6240	7669	350 MCM
46150GE2035M71	3x240+150	65,5	8352	10279	450 MCM
46150GE2051M15	5G1,5	12,1	72	197	16
46150GE2051M25	5G2,5	13,5	120	262	14
46150GE2051M40	5G4	15,2	192	361	12
46150GE2051M60	5G6	16,6	288	476	10
46150GE2051M61	5G10	19,6	480	756	8
46150GE2051M62	5G16	22,5	768	1119	6
46150GE2051M63	5G25	26,4	1200	1597	4
46150GE0071M15	7G1,5	13,6	100,8	261	16
46150GE0071M25	7G2,5	14,9	168	344	14
46150GE0101M15	10G1,5	15,6	144	344	16
46150GE0101M25	10G2,5	17,2	240	463	14
46150GE0121M15	12G1,5	17	172,8	393	16
46150GE0121M25	12G2,5	17,6	288	537	14
46150GE0161M15	16G1,5	18,5	230,4	535	16
46150GE0161M25	16G2,5	21,5	384	738	14
46150GE0191M15	19G1,5	18,8	273,6	598	16
46150GE0191M25	19G2,5	21,6	456	831	14
46150GE0241M15	24G1,5	21,7	345,6	718	16
46150GE0241M25	24G2,5	24,7	576	1029	14

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)H2MI 0,6/1kV



ELETTROTEK KABEL® FG7OH2MI

Construction:

- Conductor:** flexible red copper conductor Cl.5, acc. to IEC 60228
- Insulation:** rubber, type G7
- Colour cores:** 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
- Inner sheath:** halogen free compound, type M1 and not hygroscopic filler
- Screen:** red copper braid
- Outer sheath:** green (RAL 6018), thermoplastic, halogen-free, type M1

Resistance:



Self-extinguishing and flame retardant acc. to:

DIN VDE 0482 part 265-2-1
EN 50266-2-4
IEC 60332-1-2 CEI 20-22 III
(equivalent IEC 60332-3-24)



Halogen free acc. to:

DIN VDE 0482 part 267
EN 50267-2-1
IEC 60754-1



Corrosiveness of conflagration gases acc. to:

DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2

Technical data:

- Nominal voltage:** 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range:** - 15 °C / + 90 °C
- Max short circuit temperature:** + 250 °C
- Min. bending radius:** 8 x d
- Max. tensile stress:** 50 N/mm²

Features:

according to IEC 60502-1

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
46160GE3020M15	2x1,5	12,7	241	16
46160GE3020M25	2x2,5	13,7	280	14
46160GE3020M40	2x4	14,9	336	12
46160GE3020M60	2x6	16,1	395	10
46160GE3020M61	2x10	18,2	567	8
46160GE3020M62	2x16	20,4	738	6
46160GE3020M63	2x25	24	1107	4
46160GE3020M64	2x35	26,6	1403	2
46160GE3020M65	2x50	30,5	1830	1
46160GE3020M66	2x70	34,3	2571	2/0
46160GE3020M67	2x95	38,6	3143	3/0
46160GE3020M68	2x120	43	4316	4/0
46160GE3020M69	2x150	47,5	5547	250 MCM
46160GE2031M15	3G1,5	13,3	262	16
46160GE2031M25	3G2,5	14,3	316	14
46160GE2031M40	3G4	15,6	380	12
46160GE2031M60	3G6	16,9	456	10
46160GE2031M61	3G10	19,2	675	8
46160GE2031M62	3G16	21,5	939	6
46160GE2031M63	3G25	25,4	1346	4
46160GE2031M64	3G35	28,3	1744	2
46160GE2031M65	3G50	32,4	2262	1
46160GE2031M66	3G70	36,8	3188	2/0
46160GE2031M67	3G95	41,2	4309	3/0
46160GE2031M68	3G120	45,8	5635	4/0
46160GE2031M69	3G150	50,9	6921	250 MCM
46160GE2031M70	3G185	56,6	8079	350 MCM
46160GE2031M71	3G240	63,3	10639	450 MCM

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)H2MI 0,6/1kV



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
46160GE2041M15	4G1,5	14,1	298	16
46160GE2041M25	4G2,5	15,3	357	14
46160GE2041M40	4G4	16,7	438	12
46160GE2041M60	4G6	18,4	535	10
46160GE2041M61	4G10	20,8	802	8
46160GE2041M62	4G16	23,4	1164	6
46160GE2041M63	4G25	27,7	1664	4
46160GE2035M64	3x35+25	30,4	2038	2
46160GE2035M65	3x50+25	33,6	2606	1
46160GE2035M66	3x70+35	38,2	3540	2/0
46160GE2035M67	3x95+50	43,4	4818	3/0
46160GE2035M68	3x120+70	48,4	6358	4/0
46160GE2035M69	3x150+95	53,9	7852	250 MCM
46160GE2035M70	3x185+95	58,8	9066	350 MCM
46160GE2035M71	3x240+150	66,9	12078	450 MCM
46160GE2051M15	5G1,5	15,1	351	16
46160GE2051M25	5G2,5	16,4	424	14
46160GE2051M40	5G4	18,2	527	12
46160GE2051M60	5G6	19,8	653	10
46160GE2051M61	5G10	22,4	1027	8
46160GE2051M62	5G16	25,4	1415	6
46160GE2051M63	5G25	30,5	2022	4
46160GE0071M15	7G1,5	16,1	399	16
46160GE0071M25	7G2,5	17,8	496	14
46160GE0101M15	10G1,5	19,7	503	16
46160GE0101M25	10G2,5	21,6	644	14
46160GE0121M15	12G1,5	20,2	574	16
46160GE0121M25	12G2,5	22,2	732	14
46160GE0161M15	16G1,5	22	690	16
46160GE0161M25	16G2,5	24,3	950	14
46160GE0191M15	19G1,5	23	813	16
46160GE0191M25	19G2,5	25,4	1056	14
46160GE0241M15	24G1,5	26,4	972	16
46160GE0241M25	24G2,5	29,3	1218	14

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)AMI 0,6/1kV



ELETTROTEK KABEL® FG7OAM1

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	rubber, type G7
Colour cores:	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
Inner sheath:	thermoplastic, halogen free compound
Armour:	braid of galvanized steel wires
Outer sheath:	green (RAL 6018), thermoplastic, halogen-free, type M1

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50266-2-4
IEC 60332-1-2 CEI 20-22 III
(equivalent IEC 60332-3-24)



Halogen free acc. to:
DIN VDE 0482 part 267
EN 50267-2-1
IEC 60754-1



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	14 x d
Max. tensile stress:	50 N/mm ²

Features:

according to IEC 60502-1

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46170GE3020M15	2x1,5	12,7	28,8	258	16
46170GE3020M25	2x2,5	13,7	48	302	14
46170GE3020M40	2x4	14,9	76,8	359	12
46170GE3020M60	2x6	16,1	115,2	424	10
46170GE3020M61	2x10	18,2	192	605	8
46170GE3020M62	2x16	20,4	307,2	783	6
46170GE3020M63	2x25	24	480	1170	4
46170GE3020M64	2x35	26,6	672	1450	2
46170GE3020M65	2x50	30,5	960	1900	1
46170GE3020M66	2x70	34,3	1344	2735	2/0
46170GE3020M67	2x95	38,6	1824	3320	3/0
46170GE3020M68	2x120	43	2304	4125	4/0
46170GE3020M69	2x150	47,5	2880	5780	250 MCM
46170GE2031M15	3G1,5	13,3	43,2	280	16
46170GE2031M25	3G2,5	14,3	72	335	14
46170GE2031M40	3G4	15,6	115,2	405	12
46170GE2031M60	3G6	16,9	172,8	490	10
46170GE2031M61	3G10	19,2	288	715	8
46170GE2031M62	3G16	21,5	460,8	990	6
46170GE2031M63	3G25	25,4	720	1410	4
46170GE2031M64	3G35	28,3	1008	1810	2
46170GE2031M65	3G50	32,4	1440	2350	1
46170GE2031M66	3G70	36,8	2016	3370	2/0
46170GE2031M67	3G95	41,2	2736	4520	3/0
46170GE2031M68	3G120	45,8	3456	5880	4/0
46170GE2031M69	3G150	50,9	4320	7200	250 MCM
46170GE2031M70	3G185	56,6	5328	8350	350 MCM
46170GE2031M71	3G240	63,3	6912	10990	450 MCM
46170GE2031M72	3G300	69,5	8640	13740	550 MCM

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)AMI 0,6/1kV



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46170GE2041M15	4G1,5	14,1	57,6	320	16
46170GE2041M25	4G2,5	15,3	96	385	14
46170GE2041M40	4G4	16,7	153,6	470	12
46170GE2041M60	4G6	18,4	230,4	575	10
46170GE2041M61	4G10	20,8	384	850	8
46170GE2041M62	4G16	23,4	614,4	1220	6
46170GE2041M63	4G25	27,7	960	1730	4
46170GE2035M64	3x35+25	30,4	1248	2110	2
46170GE2035M65	3x50+25	33,6	1680	2700	1
46170GE2035M66	3x70+35	38,2	2352	3715	2/0
46170GE2035M67	3x95+50	43,4	3216	5020	3/0
46170GE2035M68	3x120+70	48,4	4128	6600	4/0
46170GE2035M69	3x150+95	53,9	5232	8110	250 MCM
46170GE2035M70	3x185+95	58,8	6240	9350	350 MCM
46170GE2035M71	3x240+150	66,9	8352	12400	450 MCM
46170GE2035M72	3x300+150	72,2	10080	14970	550 MCM
46170GE2051M15	5G1,5	15,1	72	375	16
46170GE2051M25	5G2,5	16,4	120	460	14
46170GE2051M40	5G4	18,2	192	570	12
46170GE2051M60	5G6	19,8	288	700	10
46170GE2051M61	5G10	22,4	480	1080	8
46170GE2051M62	5G16	25,4	768	1480	6
46170GE2051M63	5G25	30,5	1200	2100	4
46170GE2051M64	5G35	34	1680	2950	2
46170GE2051M65	5G50	39,4	2400	4200	1
46170GE0071M15	7G1,5	16,1	100,8	430	16
46170GE0071M25	7G2,5	17,8	168	540	14
46170GE0101M15	10G1,5	19,7	144	470	16
46170GE0101M25	10G2,5	21,6	240	685	14
46170GE0121M15	12G1,5	20,2	172,8	615	16
46170GE0121M25	12G2,5	22,2	288	785	14
46170GE0161M15	16G1,5	22	230,4	740	16
46170GE0161M25	16G2,5	24,3	384	1005	14
46170GE0191M15	19G1,5	23	273,6	870	16
46170GE0191M25	19G2,5	25,4	456	1120	14
46170GE0241M15	24G1,5	26,4	345,6	1035	16
46170GE0241M25	24G2,5	29,3	576	1350	14

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

NYJ-J/O

power cable 0,6/1 kV



ELETTROTEK KABEL® NYJ-J/O

Construction:

Conductor:	solid or stranded red copper conductor Cl.1 or 2, acc. to IEC 60228 DIN VDE 0295
Insulation:	PVC, type DIV4
Colour cores:	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
Stranding:	cores stranded concentrically
Outer sheath:	black (RAL 9005), PVC, type DMV5

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Highest permissible voltage:	
<i>Direct current system:</i>	1,8 kV
<i>Alternating current system single-phase system:</i>	1,4 kV
<i>Both conductor insulated, single-phase system:</i>	0,7 kV
<i>One conductor earthed, three phase system:</i>	1,2 kV
<i>With concentric conductor and a cross-section of 240 mm² and above:</i>	3,6 kV
Temperature range	
<i>Fixed laying:</i>	- 40 °C / + 70 °C
<i>Flexible application:</i>	- 5 °C / + 50 °C
Max short circuit temperature:	+ 160 °C
Min. bending radius	
<i>Single core:</i>	12 x d
<i>Multi cores:</i>	15 x d

Features:

according to IEC 60502-1

Ozone resistance

UV resistance



re: circular solid conductor



rm: circular stranded conductor



sm: sector-shaped stranded conductor



se: sector-shaped solid conductor

INDUSTRIAL LOW VOLTAGE CABLES

NYY-J/O

power cable 0,6/1 kV



ELETTROTEK KABEL® NYY-J/O

j - type Part no.	O - type Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46180G7P011M40	46180G7L010M40	1 x 4 re	9,2	38	120	12
46180G7P011M60	46180G7L010M60	1 x 6 re	9,7	58	140	10
46180G7P011M61	46180G7L010M61	1 x 10 re	10,3	96	190	8
46180G7P011M62	46180G7L010M62	1 x 16 re	11,2	154	260	6
46180G7P011M63	46180G7L010M63	1 x 25 rm	12,4	240	370	4
46180G7P011M64	46180G7L010M64	1 x 35 rm	13,4	336	480	2
46180G7P011M65	46180G7L010M65	1 x 50 rm	15,3	480	630	1
46180G7P011M66	46180G7L010M66	1 x 70 rm	16,7	672	820	2/0
46180G7P011M67	46180G7L010M67	1 x 95 rm	19,3	912	1120	3/0
46180G7P011M68	46180G7L010M68	1 x 120 rm	20,8	1152	1375	4/0
46180G7P011M69	46180G7L010M69	1 x 150 rm	22,8	1440	1690	250 MCM
46180G7P011M70	46180G7L010M70	1 x 185 rm	25,4	1776	2070	350 MCM
46180G7P011M71	46180G7L010M71	1 x 240 rm	28,4	2304	2650	450 MCM
46180G7P011M72	46180G7L010M72	1 x 300 rm	30,5	2880	3210	550 MCM
46180G7P011M73	46180G7L010M73	1 x 400 rm	34,4	3840	4160	750 MCM
46180G7P011M74	46180G7L010M74	1 x 500 rm	38,2	4800	5210	1000 MCM
46180G7P011M75	46180G7L010M75	1 x 630 rm	43,5	6048	6670	1250 MCM
	46180G73020M15	2 x 1,5 re	11,4	29	190	16
	46180G73020M25	2 x 2,5 re	12,3	48	230	14
	46180G73020M40	2 x 4 re	14,5	77	310	12
	46180G73020M60	2 x 6 re	15,3	115	390	10
	46180G73020M61	2 x 10 re	16,8	192	520	8
	46180G73020M62	2 x 16 re	18,7	307	680	6
	46180G73020M63	2 x 25 rm	23,5	480	970	4
46180G72031M15	46180G73030M15	3 x 1,5 re	11,8	43	210	16
46180G72031M25	46180G73030M25	3 x 2,5 re	12,7	72	260	14
46180G72031M40	46180G73030M40	3 x 4 re	14,3	115	350	12
46180G72031M60	46180G73030M60	3 x 6 re	15,2	173	440	10
46180G72031M61	46180G73030M61	3 x 10 re	17,3	288	600	8
46180G72031M62	46180G73030M62	3 x 16 re	19,2	461	830	6
46180G72031M63	46180G73030M63	3 x 25 rm	24,5	720	1340	4
46180G72031M64	46180G73030M64	3 x 35 sm	25,3	1008	1460	2
46180G72031M65	46180G73030M65	3 x 50 sm	26,8	1440	1860	1
46180G72031M66	46180G73030M66	3 x 70 sm	30,8	2016	2460	2/0
46180G72031M67	46180G73030M67	3x95 sm	34,9	2763	3320	3/0
46180G72031M68	46180G73030M68	3x120 sm	37,4	3456	4120	4/0
46180G72031M69	46180G73030M69	3x150 sm	40,3	4320	4910	250 MCM
46180G72031M70	46180G73030M70	3x185 sm	46,4	5328	6520	350 MCM
46180G72031M71	46180G73030M71	3x240 sm	51,4	6912	8315	450 MCM

INDUSTRIAL LOW VOLTAGE CABLES

NYJ-J/O

power cable 0,6/1 kV



ELETTROTEK KABEL® NYJ-J/O

j - type Part no.	O - type Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.®)
46180G72035M63	46180G73035M63	3X25/16 rm/re	24,5	874	1530	4
46180G72035M64	46180G73035M64	3x35/16 sm/re	26	1162	1750	2
46180G72035M65	46180G73035M65	3x50/25 sm/rm	29	1680	2350	1
46180G72035M66	46180G73035M66	3x70/35 sm/rm	32	2352	2850	2/0
46180G72035M67	46180G73035M67	3x95/50 sm	38	3216	3850	3/0
46180G72035M68	46180G73035M68	3x120/70 sm	41	4128	4780	4/0
46180G72035M69	46180G73035M69	3x150/70 sm	46	4992	5800	250 MCM
46180G72035M70	46180G73035M70	3x185/95 sm	51	6240	7600	350 MCM
46180G72035M71	46180G73035M71	3x240/120 sm	58	8064	9800	450 MCM
46180G72035M72	46180G73035M72	3x300/150 sm	64	10080	11500	550 MCM
46180G72041M15	46180G73040M15	4x1,5 re	12	58	230	16
46180G72041M25	46180G73040M25	4x2,5 re	13,5	96	300	14
46180G72041M40	46180G73040M40	4x4 re	15	154	410	12
46180G72041M60	46180G73040M60	4x6 re	16,5	230	520	10
46180G72041M61	46180G73040M61	4x10 re	18,5	384	730	8
46180G72041M62	46180G73040M62	4x16 re	21,5	614	1045	6
46180G72041M63	46180G73040M63	4x25 rm	26	960	1640	4
46180G72041M64	46180G73040M64	4x35 sm	27,5	1344	1760	2
46180G72041M65	46180G73040M65	4x50 sm	30	1920	2350	1
46180G72041M66	46180G73040M66	4x70 sm	34	2688	3100	2/0
46180G72041M67	46180G73040M67	4x95 sm	39	3648	4250	3/0
46180G72041M68	46180G73040M68	4x120 sm	42,5	4608	5300	4/0
46180G72041M69	46180G73040M69	4x150 sm	47,5	5760	6400	250 MCM
46180G72041M70	46180G73040M70	4x185 sm	52	7104	8500	350 MCM
46180G72041M71	46180G73040M71	4x240 sm	58	9216	11000	450 MCM
46180G72051M15	46180G73050M15	5x1,5 re	13	72	270	16
46180G72051M25	46180G73050M25	5x2,5 re	14,5	120	360	14
46180G72051M40	46180G73050M40	5x4 re	16,5	192	490	12
46180G72051M60	46180G73050M60	5x6 re	18	288	600	10
46180G72051M61	46180G73050M61	5x10 re	20	480	890	8

Other dimensions and colours available on request.

(N)AYY-J/O

Aluminium power cable 0,6/1 kV



ELETTROTEK KABEL® NAYY-J/O

Construction:

Conductor:	solid or stranded plain aluminium conductor Cl.1 or 2, acc. to IEC 60228 DIN VDE 0295
Insulation:	PVC, type DIV4
Colour cores:	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
Stranding:	cores stranded concentrically
Outer sheath:	black (RAL 9005), PVC, type DMV5

Technical data:





Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Highest permissible voltage:	
<i>Direct current system:</i>	1,8 Kv
<i>Alternating current system single-phase system:</i>	1,4 Kv
<i>Both conductor insulated, single-phase system:</i>	0,7 Kv
<i>One conductor earthed, three phase system:</i>	1,2 Kv
<i>With concentric conductor and a cross-section of 240 mm² and above:</i>	3,6 Kv
Temperature range:	- 5 °C /+ 70 °C
Min. bending radius:	12 x d
Max. tensile stress:	50 N/mm ²

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1

Features:

-  re: circular solid conductor
-  rm: circular stranded conductor
-  sm: sector-shaped stranded conductor
-  se: sector-shaped solid conductor

Applications:

Power cables for energy supply are installed in open air, in underground, in water, indoors and in cable ducts, power station, for industry and distribution boards as well as in subscriber networks, where mechanical damages are not to be expected.

INDUSTRIAL LOW VOLTAGE CABLES

(N)AYY-J/O

Aluminium power cable 0,6/1 kV



ELETTROTEK KABEL® NAYY-J/O

STRANDED VERSION

j - type Part no.	O - type Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46190G7P011M62	46190G7L010M62	1x16 re	11	46,5	145	6
46190G7P011M63	46190G7L010M63	1x25 rm	12	72,5	195	4
46190G7P011M64	46190G7L010M64	1x35 rm	13	101,5	255	2
46190G7P011M65	46190G7L010M65	1x50 rm	15	145	298	1
46190G7P011M66	46190G7L010M66	1x70 rm	16,5	205	383	2/0
46190G7P011M67	46190G7L010M67	1x95 rm	19	275	490	3/0
46190G7P011M68	46190G7L010M68	1x120 rm	20,5	348	575	4/0
46190G7P011M69	46190G7L010M69	1x150 rm	22,5	435	695	250 MCM
46190G7P011M70	46190G7L010M70	1x185 rm	25	536	845	350 MCM
46190G7P011M71	46190G7L010M71	1x240 rm	28	969	1100	450 MCM
46190G7P011M72	46190G7L010M72	1x300 rm	30	870	1379	550 MCM
46190G7P011M73	46190G7L010M73	1x400 rm	34	1160	1615	750 MCM
46190G7P011M74	46190G7L010M74	1x500 rm	38	1450	2015	950 MCM
46190G7P011M75	46190G7L010M75	1x630 rm	43	1827	2472	1200 MCM
	46190G73020M62	2x16 re	18,5	93	470	6
46190G72041M62	46190G73040M62	4x16 rm	21,5	186	750	6
46190G72041M63	46190G73040M63	4x25 sm	26,5	290	950	4
46190G72041M64	46190G73040M64	4x35 sm	27,5	406	1120	2
46190G72041M65	46190G73040M65	4x50 sm	30	580	1151	1
46190G72041M66	46190G73040M66	4x70 sm	34	812	1549	2/0
46190G72041M67	46190G73040M67	4x95 sm	39	1102	2030	3/0
46190G72041M68	46190G73040M68	4x120 sm	42,5	1392	2400	4/0
46190G72041M69	46190G73040M69	4x150 sm	47,5	1740	3030	250 MCM
46190G72041M70	46190G73040M70	4x185 sm	52	2146	3650	350 MCM
46190G72041M71	46190G73040M71	4x240 re	58	2784	4800	450 MCM

SOLID VERSION

j - type Part no.	O - type Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46191G72041M62	46191G73040M62	4x16 se	23	186,0	750,0	6
46191G72041M63	46191G73040M63	4x25 se	26	290,0	950,0	4
46191G72041M64	46191G73040M64	4x35 se	28,5	406,0	1120,0	2
46191G72041M65	46191G73040M65	4x50 se	30	580,0	1151,0	1
46191G72041M66	46191G73040M66	4x70 se	35	812,0	1549,0	2/0
46191G72041M67	46191G73040M67	4x95 se	39,5	1102,0	2030,0	3/0
46191G72041M68	46191G73040M68	4x120 se	44	1392,0	2400,0	4/0
46191G72041M69	46191G73040M69	4x150 se	46	1740,0	3030,0	250 MCM
46191G72041M70	46191G73040M70	4x185 se	51	2146,0	3650,0	350 MCM
46191G72041M71	46191G73040M71	4x240 se	56	2784,0	4800,0	450 MCM

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

NYCY

Power cable with concentric copper conductor; 0,6/1 kV



ELETTROTEK KABEL® NYCY



Construction:

Conductor:	solid red copper conductor Cl.1, acc. to IEC 60228 DIN VDE 0295
Insulation:	PVC, type DIV4
Colour cores:	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
Stranding:	cores stranded concentrically
Inner sheath:	filler compound
Screen:	red copper wires + red copper tape
Outer sheath:	black (RAL 9005), PVC, type DMV5

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Highest permissible voltage:	
<i>Direct current system:</i>	1,8 Kv
<i>Alternating current system single-phase system:</i>	1,4 Kv
<i>Both conductor insulated, single-phase system:</i>	0,7 Kv
<i>One conductor earthed, three phase system:</i>	1,2 Kv
<i>With concentric conductor and a cross-section of 240 mm² and above:</i>	3,6 Kv
Temperature range	
<i>Fixed laying:</i>	- 40 °C / + 70 °C
<i>Flexible application:</i>	- 5 °C / + 50 °C
Max short circuit temperature:	+ 160 °C
Min. bending radius	
<i>Single core:</i>	12 x d
<i>Multi cores:</i>	15 x d
Max. tensile stress	50 N/mm ²

Features:

according to DIN VDE 0276 part 603.1, HD 603 S1 and IEC 60502-1

7 cores and above cc. to DIN VDE 0276 part 627, HD 627 S1 and IEC 6050

UV resistance

Applications:

Power cables for energy supply are installed in open air, in underground, in water, indoors and in cable ducts, power station, for industry and distribution boards as well as in subscriber networks, where mechanical damages are not to be expected.

INDUSTRIAL LOW VOLTAGE CABLES

NYCY

Power cable with concentric copper conductor; 0.6/1 kV



ELETTROTEK KABEL® NYCY



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46200G7L010M61	1 x 10 / 10	11	216	280	8
46200G7L010M62	1 x 16 / 16	12	336	440	6
46200G73020M15	2 x 1,5 / 1,5	13	52	205	16
46200G73020M25	2 x 2,5 / 2,5	13,5	80	270	14
46200G73020M40	2 x 4 / 4	15,5	123	360	12
46200G73020M60	2 x 6 / 6	17	182	435	10
46200G73020M61	2 x 10 / 10	19,5	312	590	8
46200G73020M16	2 x 16 / 16	20,5	489	820	6
46200G73030M15	3 X 1,5 / 1,5	13,5	66	225	16
46200G73030M25	3 X 2,5 / 2,5	14,5	104	290	14
46200G73030M40	3 X 4 / 4	16,5	161	400	12
46200G73030M60	3 X 6 / 6	17,5	240	510	10
46200G73030M61	3 X 10 / 10	20	408	850	8
46200G73030M62	3 X 16 / 16	23	643	1080	6
46200G73040M15	4 X 1,5 / 1,5	14,5	81	260	16
46200G73040M25	4 X 2,5 / 2,5	15,5	128	350	14
46200G73040M40	4 X 4 / 4	17	200	470	12
46200G73040M60	4 X 6 / 6	18,5	297	590	10
46200G73040M61	4 X 10 / 10	21	504	900	8
46200G73040M62	4 X 16 / 16	23	796	1250	6
46200G73050M15	5 X 1,5 / 1,5	15	95	330	16
46200G73050M25	5 X 2,5 / 2,5	16	152	400	14
46200G73050M40	5 X 4 / 4	19	238	560	12
46200G73050M60	5 X 6 / 6	21	355	710	10
46200G73050M61	5 X 10 / 10	23	600	1000	8
46200G71070M15	7 X 1,5 / 1,5	15	124	320	16
46200G71070M40	7 X 4 / 4	21	315	670	12
46200G71070M60	7 X 6 / 6	24	470	790	10
46201G71070M15	7 X 1,5 / 2,5	16	133	350	16
46200G71080M15	8 X 1,5 / 1,5	17	138	380	16
46201G71080M15	8 X 1,5 / 2,5	17	147	400	16
46200G71100M15	10 X 1,5 / 2,5	19	176	440	16
46200G71120M15	12 X 1,5 / 2,5	20	205	500	16
46200G71140M15	14 X 1,5 / 2,5	20,5	234	540	16
46200G71160M15	16 X 1,5 / 4	22	276	600	16
46200G71190M15	19 X 1,5 / 4	23	320	690	16
46200G71210M15	21 X 1,5 / 6	24	369	810	16
46200G71240M15	24 X 1,5 / 6	26	413	860	16
46200G71300M15	30 X 1,5 / 6	27	499	1230	16
46200G71400M15	40 X 1,5 / 10	30	696	1590	16
46200G71520M15	52 X 1,5 / 10	32	869	1820	16
46200G71610M15	61 X 1,5 / 10	33	998	2000	16
46200G71070M25	7 X 2,5 / 2,5	17,5	200	450	14
46200G71080M25	8 X 2,5 / 2,5	18	224	510	14
46200G71100M25	10 X 2,5 / 4	20,5	286	600	14
46200G71120M25	12 X 2,5 / 4	21	334	660	14
46200G71140M25	14 X 2,5 / 4	22	382	760	14
46201G71140M25	14 X 2,5 / 6	22,5	403	800	14
46200G71160M25	16 X 2,5 / 6	23	451	910	14
46200G71190M25	19 X 2,5 / 6	23,5	523	950	14
46200G71210M25	21 X 2,5 / 10	26	571	1100	14
46200G71240M25	24 X 2,5 / 10	28	696	1300	14
46200G71300M25	30 X 2,5 / 10	30	840	1610	14
46200G71400M25	40 X 2,5 / 10	35	1080	2100	14
46200G71520M25	52 X 2,5 / 10	38	1368	2500	14
46200G71610M25	61 X 2,5 / 10	40	1584	2850	14

Other dimensions and colours available on request.

GAALFLEX® VFD NYCWY

Power cable with concentric copper conductor, connection to frequency converters, 0,6/1 kV



Construction:

Conductor:	solid or stranded red copper conductor Cl. 1 or 2, acc. to IEC 60228, DIN VDE 0295 10-16 mm ² - round solid cores 25-240 mm ² - stranded conductor
Insulation:	PVC, type DIV4
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2
Stranding:	cores stranded concentrically
Inner sheath:	filler compound
Screen:	concentric conductor of corrugated copper wires + copper tape
Outer sheath:	black (RAL 9005), PVC, type DMV5

Resistance:







Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Highest permissible voltage:	
<i>Direct current system:</i>	1,8 kV
<i>Alternating current system single-phase system:</i>	1,4 kV
<i>Both conductor insulated, single-phase system:</i>	0,7 kV
<i>One conductor earthed, three phase system:</i>	1,2 kV
<i>With concentric conductor and a cross-section of 240 mm² and above:</i>	3,6 kV
Temperature range	
<i>Fixed laying:</i>	- 40 °C / + 70 °C
<i>Flexible application:</i>	- 5 °C / + 50 °C
Max short circuit temperature:	+ 160 °C
Min. bending radius	
<i>Single core:</i>	12 x d
<i>Multi cores:</i>	15 x d
Max. tensile stress	50 N/mm ²

Features:

according to DIN VDE 0276 part 603.1, HD 603 S1 and IEC 60502-1

-  re: circular solid conductor
-  rm: circular stranded conductor
-  sm: sector-shaped stranded conductor
-  se: sector-shaped solid conductor

Applications:

Suitable especially for underground laying, for example in subscriber networks, power stations also as control cable for transmission of control impulses and test data

INDUSTRIAL LOW VOLTAGE CABLES

GAALFLEX® VFD NYCWY

Power cable with concentric copper conductor, connection to frequency converters, 0,6/1 kV



ELETTROTEK KABEL® GAALFLEX® VFD NYCWY



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
33250G73020M61	2 x 10 re / 10	19	312	650	8
33250G73020M62	2 x 16 re / 16	21	489	850	6
33250G73020M63	2 x 25 rm / 25	24	763	1210	4
33250G73030M61	3 x 10 re / 10	19,5	408	730	8
33250G73030M62	3 x 16 re / 16	22	643	1000	6
33250G73030M63	3 x 25 rm / 16	26	902	1550	4
33250G73030M64	3 x 30 sm / 16	27	1190	1750	2
33250G73030M65	3 x 50 sm / 25	29	1723	2250	1
33250G73030M66	3 x 70 sm / 35	33	2410	2950	2/0
33250G73030M67	3 x 95 sm / 50	38	3296	4100	3/0
33250G73030M68	3 x 120 sm / 70	41	4236	5050	4/0
33250G73030M69	3 x 150 sm / 70	45	5100	6000	250 MCM
33250G73030M70	3 x 185 sm / 95	50	6383	7550	350 MCM
33250G73030M71	3 x 240 sm / 120	57	8242	9950	450 MCM
33251G73030M63	3 x 25 rm / 25	26	1003	1600	4
33251G73030M64	3 x 35 sm / 35	27,5	1402	1850	2
33251G73030M65	3 x 50 sm / 50	29,5	2000	2450	1
33251G73030M66	3 x 70 sm / 70	34	2796	3350	2/0
33251G73030M67	3 x 95 sm / 95	38,5	3791	4550	3/0
33251G73030M68	3 x 120 sm / 120	42	4786	5550	4/0
33251G73030M69	3 x 150 sm / 150	46	5970	6900	250 MCM
33251G73030M70	3 x 185 sm / 185	51	7363	8500	350 MCM
33251G73030M71	3 x 240 sm / 120	57	8242	9950	450 MCM
33250G73040M61	4 x 10 re / 10	20,5	504	890	8
33250G73040M62	4 x 16 re / 16	23,5	796	1250	6
33250G73040M63	4 x 25 rm / 16	28	1142	1800	4
33250G73040M64	4 x 35 sm / 16	29	1526	2050	2
33250G73040M65	4 x 50 sm / 25	33	2203	2700	1
33250G73040M66	4 x 70 sm / 35	37	3082	3750	2/0
33250G73040M67	4 x 95 sm / 50	43,5	4208	5000	3/0
33250G73040M68	4 x 120 sm / 70	47,2	5388	6350	4/0
33250G73040M69	4 x 150 sm / 70	51	6540	7650	250 MCM
33250G73040M70	4 x 185 sm / 95	56	8159	9350	350 MCM
33250G73040M71	4 x 240 sm / 120	62,5	10546	11600	450 MCM

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

(N)AYCWY

Power cable 0,6/1 kV with concentric aluminium conductor, connection to frequency converters



ELETTROTEK KABEL® NAYCWY



Construction:

Conductor:	solid or stranded plain aluminium conductor Cl. 1 or 2, acc. to IEC 60228, DIN VDE 0295 10-16 mm ² - round solid cores 25-240 mm ² - stranded conductor
Insulation:	PVC, type DIV4
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2
Stranding:	cores stranded concentrically
Screen:	concentric conductor of corrugated copper wires + copper tape
Outer sheath:	black (RAL 9005), PVC, type DMV5

Resistance:







Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 5 °C / + 70 °C
Min. bending radius:	15 x d
Max. tensile stress:	50 N/mm ²
Current carrying capacity:	as for DIN VDE 0276 part. 603

Features:

-  re: circular solid conductor
-  rm: circular stranded conductor
-  sm: sector-shaped stranded conductor
-  se: sector-shaped solid conductor

Applications:

Power cables for energy supply are installed in open air, in underground, in water, indoors and in cable ducts, power station, for industry and distribution boards as well as in subscriber networks, where mechanical damages are not to be expected.

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Alu weight kg/km	Cable weight approx. kg/km	AWG no. *)
46211G73030M64	3x35 sm/35	27,5	240	305	1300	2
46211G73030M65	3x50 sm/50	29,5	340	435	1400	1
46211G73030M66	3x70 sm/70	34	475	609	1950	2/0
46211G73030M67	3x95 sm/95	38,5	640	827	2500	3/0
46211G73030M68	3x120 sm/120	42	1330	1044	2950	4/0
46211G73030M69	3x150 sm/150	46	1550	1305	3500	250 MCM
46210G73040M62	4x16 re/16	23,5	182	186	950	6
46210G73040M63	4x25 rm/16	28	182	290	1150	4
46210G73040M64	4x35 sm/16	29	182	406	1200	2
46210G73040M65	4x50 sm/25	33	283	580	1600	1
46210G73040M66	4x70 sm/35	37	394	812	2250	2/0
46210G73040M67	4x95 sm/50	43,5	560	1102	2900	3/0
46210G73040M68	4x120 sm/70	47	780	1392	3500	4/0
46210G73040M69	4x150 sm/70	51	780	1740	4200	250 MCM
46210G73040M70	4x185 sm/95	56	1055	2146	4950	350 MCM
46210G73040M71	4x240 sm/120	62,5	1330	2784	5600	450 MCM

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

(N)2XY-J/O FR

Power Cable 0,6/1 kV acc. to IEC 60502-1



ELETTROTEK KABEL® N2XY-J/O FR

Construction:

Conductor:	stranded red copper conductor Cl. 2, acc to IEC 60228, DIN VDE 0295
Insulation:	XLPE, type DIX3
Colour cores:	1 core: Y/G 3 cores: blue-brown-Y/G 4 cores: Y/G, brown, black, grey 5 cores: Y/G-blue-brown-black-grey
Wrapping:	filling compound
Outer sheath:	black(RAL 9005),PVC type DMV6

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 266-2-4
IEC 60332-1
EN 60332-1-2 EN 60332-3-24

Technical data:


Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 5 °C / + 70 °C
Min. bending radius:	12 x d
Max. permitted operating voltage in 3 phase system:	1,2 kV


Features:

according to IEC 60502-1


on request: water resistant

UV resistance

 re: circular solid conductor

 rm: circular stranded conductor

 sm: sector-shaped stranded conductor

 se: sector-shaped solid conductor

INDUSTRIAL LOW VOLTAGE CABLES

(N)2XY-J/O FR

Power Cable 0,6/1 kV acc. to IEC 60502-1



ELETTROTEK KABEL® N2XY-J/O FR



(N)2XY-J

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46220G72031M15	3G1.5 re	11,3	43,2	177	16
46220G72031M25	3G2.5 re	12	72	223	14
46220G72031M40	3G4 re	13	115,2	291	12
46220G72031M60	3G6 re	14	173	370	10
46220G72031M61	3G10 re	16,9	288	562	8
46220G72031M62	3G16 re	19,2	461	790	6
46220G72031M63	3G25 rm	23,7	720	1234	4
46220G72031M64	3G35 sm	26,6	1008	1620	2
46220G72031M65	3G50 sm	27	1440	1800	1
46220G72031M66	3G70 sm	31,2	2016	2400	2/0
46220G72031M67	3G95 sm	34,5	2736	3300	3/0
46220G72035M63	3G25/16 sm	23	874	1500	4
46220G72035M64	3G35/16 sm	26,2	1162	1700	2
46220G72035M65	3G50/25 sm	30,9	1680	2300	1
46220G72035M66	3G70/35 sm	33,2	2352	2800	2/0
46220G72035M67	3G95/50 sm	39	3216	3800	3/0
46220G72035M68	3G120/70 sm	42,3	4128	4700	4/0
46220G72035M69	3G150/70 sm	46,8	4992	5600	250 MCM
46220G72035M70	3G185/95 sm	51,9	6240	7400	350 MCM
46220G72035M71	3G240/120 sm	59,6	8064	9600	450 MCM
46220G72035M72	3G300/150 sm	66,7	10080	11200	550 MCM
46220G72041M15	4G1.5 re	11,8	58	202	16
46220G72041M25	4G2.5 re	12,8	96	258	14
46220G72041M40	4G4 re	14,1	154	343	12
46220G72041M60	4G6 re	15,2	230,4	442	10
46220G72041M61	4G10 re	18,4	384	678	8
46220G72041M62	4G16 re	21,7	614,4	1013	6
46220G72041M63	4G25 rm	26,2	960	1530	4
46220G72041M64	4G35 rm	27,4	1344	1990	2
46220G72041M65	4G50 sm	29,1	1920	2071	1
46220G72041M66	4G70 sm	31,1	2688	2908	2/0
46220G72041M67	4G95 sm	35,1	3648	3958	3/0
46220G72041M68	4G120 sm	38,8	4608	4959	4/0
46220G72041M69	4G150 sm	42,5	5760	6061	250 MCM
46220G72041M70	4G185 sm	47,5	7104	7632	350 MCM
46220G72051M15	5G1.5 re	13,1	72	270	16
46220G72051M25	5G2.5 re	14,2	120	350	14
46220G72051M40	5G4 re	15,1	192	480	12
46220G72051M60	5G6 re	17,6	288	610	10
46220G72051M61	5G10 re	19,7	480	880	8
46220G72051M62	5G16 re	22,1	768	1250	6
46220G72051M63	5G25 rm	27,2	1200	1950	4
46220G72051M65	5G50 rm	-	2400	3500	1
46220G72051M69	5G150 rm	49	7200	8490	250 MCM
46220G70071M15	7G1.5 re	14	101	300	16
46220G70071M25	7G2.5 re	15,2	168	420	14
46220G70071M40	7G4 re	16,7	269	630	12
46220G70121M15	12G1.5 re	17,5	173	400	16
46220G70121M25	12G2.5 re	18,9	288	560	14
46220G70241M15	24G1.5 re	22,5	346	700	16
46220G70241M25	24G2.5 re	25,4	576	1050	14

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

(N)2XY-J/O FR

Power Cable 0,6/1 kV acc. to IEC 60502-1



ELETTROTEK KABEL® N2XY-J/O FR

(N)2XY-O

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46220G7L010M62	1x16 re	10	154	240	6
46220G7L010M63	1x25 rm	11,8	240	350	4
46220G7L010M64	1x35 rm	13	336	460	2
46220G7L010M65	1x50 rm	14,5	480	600	1
46220G7L010M66	1x70 rm	16,5	672	779	2/0
46220G7L010M67	1x95 rm	18,4	912	1040	3/0
46220G7L010M68	1x120 rm	20,2	1152	1350	4/0
46220G7L010M69	1x150 rm	22,2	1440	1579	250 MCM
46220G7L010M70	1x185 rm	24,8	1776	1981	350 MCM
46220G7L010M71	1x240 rm	27,7	2304	2560	450 MCM
46220G7L010M72	1x300 rm	29,9	2880	3142	550 MCM
46220G7L010M73	1x400 rm	33,5	3840	4100	750 MCM
46220G7L010M74	1x500 rm	38	4800	5200	950 MCM
46220G73020M15	2x1,5 re	10,7	29	159	16
46220G73020M40	2x4 re	12,5	77	249	12
46220G73020M60	2x6 re	13,5	115,2	311	10
46220G73020M61	2x10 re	16	192	465	8
46220G73020M62	2x16 re	18,2	307,2	642	6
46220G73020M63	2x25 re	22,4	480	1000	4
46220G73020M64	2x35 re	25	672	1302	2
46220G73020M65	2x50 re	28	960	1824	1
46220G73020M66	2x70 re	31	1344	2554	2/0

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

U-1000 R2V



ELETTROTEK KABEL® U-1000 R2V

Construction:

Conductor:	solid or stranded red copper conductor Cl. 1 or 2, acc. to IEC 60228
Insulation:	XLPE compound
Colour cores:	2 core: blue-brown 3 cores: brown-black-blue(1,2/2,5 mm ²) 3G cores: Y/G,blue,brown (4 mm ²) 4 cores: blue-brown-black-gray 4G cores: brown-black-gray-Y/G 5 cores: brown-blue-grey-black 5G cores: blue-brown-black-gray-Y/G
Wrapping:	non fibrous and not hygroscopic filler
Outer sheath:	black (RAL 9005),PVC compound

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 10 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	6 x d

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1



Oil resistant acc. to:
IEC 60811-2-1
DIN VDE 0473 part 811-2-1

Features:

according to IEC 60502-1

according to NFC 32-321 C32-321/A1

Applications:

For use in industrial sites and the upright columns of buildings. particularly suited in cases of high resistance to solar radiation and atmospheric agents is required good resistance to low temperatures and chemical agents. Can be used without additional mechanical protection in the open air, fixed to walls or in raceways, inside walkways, and in empty in constructions in general. can be laid underground with mechanical protection constructed from slab, tiles, or bricks. It is no recommended to lay this cable in ground flooded for more than two months for year. With appropriate mechanical protection it can be use in areas subject to risk of explosion, but in this case the permitted current load is reduced by 15% It can be used in ambient temperatures down to - 25°.

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
46230G7L010M15	1x1,5	6,6	14,4	45	16
46230G7L010M25	1x2,5	7	24	55	14
46230G7L010M40	1x4	7,6	38,4	75	12
46230G7L010M60	1x6	8,2	37,6	100	10
46230G7L010M61	1x10	9,2	96	140	8
46230G7L010M62	1x16	10,5	153,6	205	6
46230G7L010M63	1x25	12,5	240	315	4
46230G7L010M64	1x35	13,5	336	400	2
46230G7L010M65	1x50	15	480	530	1
46230G7L010M66	1x70	17	672	725	2/0
46230G7L010M67	1x95	19	912	985	3/0
46230G7L010M68	1x120	21	1152	1260	4/0
46230G7L010M69	1x150	23	1440	1520	250 MCM
46230G7L010M70	1x185	25,5	1776	1940	350 MCM
46230G7L010M71	1x240	28,5	2304	2310	450 MCM
46230G7L010M72	1x300	31	2880	3200	550 MCM

INDUSTRIAL LOW VOLTAGE CABLES

U-1000 R2V



ELETTROTEK KABEL® U-1000 R2V

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46230G73020M15	2x1.5	10,5	28,8	115	16
46230G73020M25	2x2.5	11,5	48	145	14
46230G73020M40	2x4	13	76,8	195	12
46230G73020M60	2x6	14	115,2	265	10
46230G73020M61	2x10	16	192	390	8
46230G73020M62	2x16	18,5	307,2	560	6
46230G73020M63	2x25	22	480	850	4
46230G73020M64	2x35	24,5	672	1080	2
46230G73030M15	3x1,5	11	43,2	130	16
46230G73030M25	3x2,5	12,5	72	170	14
46230G73030M40	3x4	13,5	115,2	230	12
46230G73030M60	3x6	15	172,8	325	10
46230G73030M61	3x10	17	288	485	8
46230G73030M62	3x16	19,5	460,8	705	6
46230G73030M63	3x25	23,5	720	1080	4
46230G73030M64	3x35	26	1008	1390	2
46230G73030M65	3x50	29	1440	1840	1
46230G73030M66	3x70	34	2016	2540	2/0
46230G73030M67	3x95	38,5	2736	3430	3/0
46230G73030M68	3x120	42,5	3456	4440	4/0
46230G73030M69	3x150	47,5	4320	5380	250 MCM
46230G73030M70	3x185	53	5328	6920	350 MCM
46230G73030M71	3x240	59,5	6912	8420	450 MCM
46230G73030M72	3x300	66,0	8640	11300	550 MCM
46230G72041M15	4G1,5	12	59,4	150	16
46230G72041M25	4G2,5	13	96	205	14
46230G72041M40	4G4	14,5	153,6	280	12
46230G72041M60	4G6	16	230,4	390	10
46230G72041M61	4G10	18,5	384	590	8
46230G72041M62	4G16	21	614,4	870	6
46230G72041M63	4G25	25,5	960	1365	4
46230G72041M64	4G35	28,5	1344	1760	2
46230G73035M65	3x50+1x35	31,1	1776	2160	1
46230G73035M66	3x70+1x50	36,2	2496	3010	2/0
46230G73035M67	3x95+1x50	40,6	3216	3960	3/0
46230G73035M68	3x120+1x70	45,4	4128	5160	4/0
46230G73035M69	3x150+1x70	49,5	4992	6150	250 MCM
46230G73035M70	3x185+1x70	54,4	6000	7780	350 MCM
46230G73035M71	3x240+1x95	61,5	7824	9550	450 MCM
46230G73050M15	5x1,5	13	72	180	16
46230G73050M25	5x2,5	14,5	120	240	14
46230G73050M40	5x4	16	192	335	12
46230G73050M60	5x6	17,5	288	475	10
46230G73050M61	5x10	20	480	720	8
46230G73050M62	5x16	23	768	1060	6
46230G73050M63	5x25	28	1200	1645	4
46230G70071M15	7x1,5	13,5	100,8	220	16
46230G70071M25	7x2,5	15	168	310	14
46230G70101M15	10x1,5	16,5	144	310	16
46230G70101M25	10x2,5	19	240	440	14
46230G70121M15	12x1,5	17	172,8	370	16
46230G70121M25	12x2,5	19,5	240	525	14
46230G70141M15	14x1,5	18	201,6	430	16
46230G70141M25	14x2,5	20,5	336	610	14
46230G70191M15	19x1,5	19,5	273,6	560	16
46230G70191M25	19x2,5	22,5	456	745	14
46230G70241M15	24x1,5	22,5	345,6	710	16
46230G70241M25	24x2,5	25,5	576	1000	14

Other dimensions and colours available on request.

U-1000 RV FV



ELETTROTEK KABEL® U-1000 RV FV

Construction:

Conductor:	solid or stranded red copper conductor Cl. 1 or 2, acc. to IEC 60228
Insulation:	XLPE compound
Colour cores:	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
Wrapping:	non fibrous and not hygroscopic filler
Inner sheath:	PVC compound
Armour:	steel tape
Outer sheath:	black (RAL 9005),PVC compound

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 15 °C / + 90 °C
Min. bending radius	
<i>Fixed laying:</i>	8 x d
<i>Flexible application:</i>	16 x d

Features:

according to IEC 60502-1

according to NFC 32-321 C32-321/A1

Applications:

For use in industrial sites and the upright columns of buildings. particularly suited in cases of high resistance to solar radiation and atmospheric agents is required good resistance to low temperatures and chemical agents. Can be used without additional mechanical protection in the open air, fixed to walls or in raceways, inside walkways, and in empty in constructions in general. can be laid underground with mechanical protection constructed from slab, tiles, or bricks. It is no recommended to lay this cable in ground flooded for more than two months for year. With appropriate mechanical protection it can be use in areas subject to risk of explosion, but in this case the permitted current load is reduced by 15% It can be used in ambient temperatures down to - 25°.

INDUSTRIAL LOW VOLTAGE CABLES

U-1000 RV FV



ELETTROTEK KABEL® U-1000 RV FV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46240G72031M64	3G35	26	1008	1700	2
46240G72031M65	3G50	29	1440	2195	1
46240G72031M66	3G70	34	2016	3015	2/0
46240G72031M67	3G95	38,5	2736	4300	3/0
46240G72031M68	3G120	42,5	3456	5250	4/0
46240G72031M69	3G150	47,5	4320	6480	250 MCM
46240G72031M70	3G185	53	5328	8020	350 MCM
46240G72031M71	3G240	59,5	6912	10170	450 MCM
46240G72031M72	3G300	66	8640	12170	550 MCM
46240G72041M15	4G1,5	12	59,4	278	16
46240G72041M25	4G2,5	13	96	344	14
46240G72041M40	4G4	14,5	153,6	430	12
46240G72041M60	4G6	16	230,4	579	10
46240G72041M61	4G10	18,5	384	799	8
46240G72041M62	4G16	21	614,4	1096	6
46240G72041M63	4G25	25,5	960	1610	4
46240G72041M64	4G35	28,5	1344	2090	2
46240G72041M65	4x50	32,5	1920	2710	1
46240G72041M66	4x70	39,5	2688	4180	2/0
46240G72041M67	4x95	44	3648	5320	3/0
46240G72041M68	4x120	49,2	4608	6750	4/0
46240G72041M69	4x150	54	5760	8110	300 MCM
46240G72041M70	4x185	59,5	7104	9990	350 MCM
46240G72041M71	4x240	67	9216	12730	500 MCM
46240G72041M72	4x300	73,5	11520	15500	600 MCM
46240G72035M64	3x35+1x25	28,5	1248	2000	2
46240G72035M65	3x50+1x35	31,1	1776	2575	1
46240G72035M66	3x70+1x50	36,2	2496	3560	2/0
46240G72035M67	3x95+1x50	40,6	3216	4810	3/0
46240G72035M68	3x120+1x70	45,4	4128	6100	4/0
46240G72035M69	3x150+1x70	49,5	4992	7225	250 MCM
46240G72035M70	3x185+1x70	54,4	6000	8650	350 MCM
46240G72035M71	3x240+1x95	61,5	7824	11020	450 MCM
46240G72051M15	5G1,5	13	72	310	16
46240G72051M25	5G2,5	14,5	120	390	14
46240G72051M40	5G4	16	192	495	12
46240G72051M60	5G6	17,5	288	645	10
46240G72051M61	5G10	20	480	910	8
46240G72051M62	5G16	23	768	1290	6
46240G72051M63	5G25	28	1200	1900	4
46240G70071M15	7G1,5	13,5	100,8	245	16
46240G70071M25	7G2,5	15	168	335	14
46240G70121M15	12G1,5	17	172,8	370	16
46240G70121M25	12G2,5	19,5	240	520	14
46240G70191M15	19G1,5	19,5	273,6	530	16
46240G70191M25	19G2,5	22,5	456	750	14
46240G70241M15	24G1,5	22,5	345,6	650	16
46240G70241M25	24G2,5	25,5	576	930	14
46240G73020M15	2x1,5	11,7	28,8	210	16
46240G73020M25	2x2,5	12,5	48	253	14
46240G73020M40	2x4	13,7	76,8	311	12
46240G73020M60	2x6	15	115,2	409	10
46240G73020M61	2x10	16,7	192	548	8
46240G73020M62	2x16	18,7	307,2	720	6
46240G73020M63	2x25	22,2	480	1110	4
46240G73020M64	2x35	24,7	672	1400	2
46240G73030M15	3x1,5	12,2	43,2	240	16
46240G73030M25	3x2,5	13	72	295	14
46240G72031M40	3G4	14,2	115,2	365	12
46240G72031M60	3G6	15,7	172,8	491	10
46240G72031M61	3G10	17,5	288	665	8
46240G72031M62	3G16	19,7	460,8	898	6
46240G72031M63	3G25	23,5	720	1320	4

Other dimensions and colours available on request.

ELETTROTEK KABEL® RV-K

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	XLPE, type DIX3
Colour cores:	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 (RAL 9005), PVC compound

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	3,5 kV
Temperature range	
<i>Fixed laying:</i>	- 50 °C / + 90 °C
<i>Flexible application:</i>	- 35 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	5 x d

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1

Features:

according to IEC 60502-1

according to HD603-1



re: circular solid conductor



rm: circular stranded conductor



sm: sector-shaped stranded conductor



se: sector-shaped solid conductor

Applications:

This cable for energy distribution is suitable for all types of low voltage industrial-type connections. Its high flexibility makes the installation process substantially easier and as a result is particularly suitable for use in difficult layouts. It can be buried or installed in a tube as well as outdoors without requiring additional protection. Lastly, RV-K cable can withstand damp conditions.

INDUSTRIAL LOW VOLTAGE CABLES

RV-K



ELETTROTEK KABEL® RV-K

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46250G7L010M40	1x4 re	6,8	38	70	12
46250G7L010M60	1x6 re	7,2	58	90	10
46250G7L010M61	1x10 re	8,3	96	131	8
46250G7L010M62	1x16 re	9,5	154	193	6
46250G7L010M63	1x25 rm	10,9	240	281	4
46250G7L010M64	1x35 rm	12	336	375	2
46250G7L010M65	1x50 rm	13,7	480	515	1
46250G7L010M66	1x70 rm	15,7	672	705	2/0
46250G7L010M67	1x95 rm	17,5	912	925	3/0
46250G7L010M68	1x120 rm	19,3	1152	1150	4/0
46250G7L010M69	1x150 rm	21,7	1440	1450	250 MCM
46250G7L010M70	1x185 rm	24	1776	1770	350 MCM
46250G7L010M71	1x240 rm	26,7	2304	2300	450 MCM
46250G7L010M72	1x300 rm	30,1	2880	2820	550 MCM
46250G73020M15	2x1,5 re	8,2	29	85	16
46250G73020M25	2x2,5 re	9,1	48	110	14
46250G73020M40	2x4 re	10,4	77	155	12
46250G73020M60	2x6 re	11,4	15	205	10
46250G73020M61	2x10 re	13,5	192	310	8
46250G73020M62	2x16 re	15,2	307	456	6
46250G73020M63	2x25 rm	18	480	670	4
46250G73030M15	3x1,5 re	8,8	43	100	16
46250G72031M15	3G1,5 re	8,8	43	100	16
46250G73030M25	3x2,5 re	9,8	72	140	14
46250G72031M25	3G2,5 re	9,8	72	140	14
46250G73030M40	3x4 re	11,1	115	195	12
46250G73030M60	3x6 re	12,2	173	262	10
46250G73030M61	3x10 re	14,3	288	395	8
46250G73030M62	3x16 re	16,5	461	590	6
46250G73030M63	3x25 rm	19,6	720	870	4
46250G73040M15	4x1,5 re	9,5	57,6	120	16
46250G73040M25	4x2,5 re	10,8	96,0	175	14
46250G72041M25	4G2,5 rm	10,8	96,0	175	14
46250G73040M40	4x4 re	12,2	153,6	245	12
46250G73040M60	4x6 re	13,4	230,4	325	10
46250G72041M60	4G6 re	13,4	230,4	325	10
46250G73040M61	4x10 re	15,7	384	495	8
46250G72041M61	4G10 re	15,7	384	495	8
46250G73040M62	4x16 re	18,6	614,4	760	6
46250G72041M62	4G16 re	18,6	614,4	760	6
46250G73040M63	4x25 rm	22	960	1130	4
46250G72041M63	4G25 rm	22	960	1130	4
46250G73040M64	4x35 sm	26	1344	1630	2
46250G73040M65	4x50 sm	31	1920	2320	1
46250G73040M66	4x70 sm	36,4	2688	3230	2/0
46250G73040M67	4x95 sm	41	3648	4200	3/0
46250G72051M15	5G1,5	10,5	72	150	16
46250G72051M25	5G2,5	12	120	205	14
46250G72051M40	5G4	13,5	192	300	12
46250G72051M60	5G6	14,9	288	400	10
46250G72051M61	5G10	17,4	480	61	8
46250G72051M62	5G16	20,5	768	930	6
46250G72051M63	5G25	24,3	1200	1380	4
46250G72051M64	5G35	28,8	1680	1995	2

Other dimensions and colours available on request.

RE4(O)R (XLPE/PVC)



ELETTROTEK KABEL® RE4OR

Construction:

Conductor:	stranded red copper conductor Cl. 2, acc to IEC 60228
Insulation:	XLPE compound
Colour cores:	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 (RAL 9005),PVC compound

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	6 x d

Features:

according to IEC 60502-1

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)R (XLPE/PVC)



ELETTROTEK KABEL® RE4OR



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46260G7L010M15	1x1,5	5,5	4,8	45	16
46260G7L010M25	1x2,5	6	24	60	14
46260G7L010M40	1x4	6,5	38,4	75	12
46260G7L010M60	1x6	7	57,6	95	10
46260G7L010M61	1x10	8	96	140	8
46260G7L010M62	1x16	9	153	195	6
46260G7L010M63	1x25	11	240	285	4
46260G7L010M64	1x35	12	336	380	2
46260G7L010M65	1x50	13,5	480	520	1
46260G7L010M66	1x70	15,5	672	720	2/0
46260G7L010M67	1x95	17,5	912	930	3/0
46260G7L010M68	1x120	19,5	1152	1170	4/0
46260G7L010M69	1x150	21,5	1440	1450	250 MCM
46260G7L010M70	1x185	23	1776	1740	350 MCM
46260G7L010M71	1x240	26,5	2304	2310	450 MCM
46260G7L010M72	1x300	30	2880	2890	550 MCM
46260G7L010M73	1x400	35	3840	3920	750 MCM
46260G7L010M74	1x500	39	4800	5015	1000 MCM
46260G7L010M75	1x630	43,5	6048	6585	1250 MCM
46260G73020M15	2x1,5	8,5	28,8	100	16
46260G73020M25	2x2,5	9,5	48	130	14
46260G73020M40	2x4	10,5	76,8	170	12
46260G73020M60	2x6	11,5	115,2	220	10
46260G73020M61	2x10	13,5	192	330	8
46260G73020M62	2x16	15,5	307,2	470	6
46260G73020M63	2x25	19	480	705	4
46260G73020M64	2x35	21	672	945	2
46260G72031M15	3G1,5	9	43,2	115	16
46260G72031M25	3G2,5	10	72	155	14
46260G72031M40	3G4	11	115,2	205	12
46260G72031M60	3G6	12	172,8	275	10
46260G72031M61	3G10	14	288	420	8
46260G72031M62	3G16	16,5	460	605	6
46260G72031M63	3G25	20	720	910	4
46260G72031M64	3G35	22,5	1008	1235	2
46260G72041M15	4G1,5	10	57,6	140	16
46260G72041M25	4G2,5	11	96	185	14
46260G72041M40	4G4	12	153,6	255	12
46260G72041M60	4G6	13,5	230,4	340	10
46260G72041M61	4G10	16	384	530	8
46260G72041M62	4G16	18,5	614,4	770	6
46260G72041M63	4G25	22,5	960	1165	4
46260G72041M64	4G35	25	1344	1570	2
46260G73050M15	5x1,5	12,7	72	225	16
46260G71070M15	7x1,5	13,1	100,8	260	16
46260G71100M15	10x1,5	13,8	144	-	16
46260G71120M15	12x1,5	15,2	172,8	385	16
46260G71190M15	19x1,5	17,3	273,6	-	16
46260G71240M15	24x1,5	20,2	345,6	880	16
46260G71070M25	7x2,5	13,5	168	365	14
46260G71100M25	10x2,5	15,9	240	-	14
46260G71120M25	12x2,5	17,3	288	542,5	14
46260G71190M25	19x2,5	21,3	456	-	14
46260G71240M25	24x2,5	24,6	576	1025	14

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

FE4(O)CR

inverter, connection to frequency converters



ELETTROTEK KABEL® FE4OCR



Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	XLPE compound
Colour cores:	acc. to DIN VDE 0293-308, HD 308 (brown - gray - black)
Stranding:	cores laying to concentric crowns to ensure roundness to the cable
Inner sheath:	PVC compound
Screen:	red copper braid of the same section as the phase conductor (for sections up to 16 mm ²) or equal to half phase conductor, with a minimum of 16 mm ² (for section greater than 25 mm ²)
Outer sheath:	grey (RAL 7001), PVC, type Rz

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1 CEI 20-22 III

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 20 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	8 x d

Features:

according to IEC 60502-1 and CEI 20-13
according to CEI-UNEL 35375

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
33200G83030M25	3x2,5+SH	14,6	96	340	14
33200G83030M40	3x4+SH	15,8	134	400	12
33200G83030M60	3x6 +SH	18,7	231	490	10
33200G83030M61	3x10+SH	21,7	336	720	8
33200G83030M62	3x16+SH	25,3	615	1040	6
33200G83030M63	3x25+SH	28,8	873	1410	4
33200G83030M64	3x35+SH	32,2	1162	1870	2
33200G83030M65	3x50+SH	36	1680	2400	1
33200G83030M66	3x70+SH	40,7	2352	3360	2/0
33200G83030M67	3x95+SH	47,6	3192	4350	3/0
33200G83030M68	3x120+SH	52,2	4032	5540	4/0
33200G83030M69	3x150+SH	56,4	5040	6880	250 MCM
33200G83030M70	3x185+SH	64,8	6216	8350	350 MCM
33200G83030M71	3x240+SH	74,5	8604	11540	450 MCM
33200G83030M72	3x300+SH	85,5	10080	13480	550 MCM

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)FR (XLPE/PVC/SWA/PVC)

Construction acc. to IEC 60502-1



ELETTROTEK KABEL® RE4OFR



Construction:

Conductor:	stranded red copper conductor Cl. 2, acc to IEC 60228
Insulation:	XLPE compound
Colour cores:	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
Inner sheath:	PVC compound
Armour:	steel wires
Outer sheath:	black (RAL 9005),PVC compound

Resistance:



Flame retardant and self extinguishing acc. to:
DIN VDE 0482 part 266-2-4
EN 50266-2-4
IEC 60332-1-2

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 0 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	8 x d

Features:

according to IEC 60502-1
on request 300/500 V

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)FR (XLPE/PVC/SWA/PVC)

Construction acc. to IEC 60502-1



ELETTROTEK KABEL® RE4OFR



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46270G73020M15	2 x 1,5	12,3	28,8	300	16
46270G73020M25	2 x 2,5	13,6	48	360	14
46270G73020M40	2 x 4	14,7	76,8	420	12
46270G73020M60	2 x 6	15,9	115,2	500	10
46270G73020M61	2 x 10	18	192	650	8
46270G73020M62	2 x 16	20	307,2	910	6
46270G73020M63	2 x 25	24,1	480	1060	4
46270G73020M64	2 x 35	27,9	672	1480	2
46270G73020M65	2 x 50	25,8	960	1800	1
46270G73020M66	2 x 70	29	1344	2300	2/0
46270G73020M67	2 x 95	33,1	1824	3170	3/0
46270G73020M68	2 x 120	36,1	2304	3800	4/0
46270G73020M69	2 x 150	39,3	2880	4500	300 MCM
46270G73020M70	2 x 185	44,7	3552	5800	350 MCM
46270G73020M71	2 x 240	59	4608	7280	500 MCM
46270G73020M72	2 x 300	53,5	5760	8750	600 MCM
46270G73020M73	2 x 400	59	7680	10700	750 MCM
46270G72031M15	3 G 1,5	12,8	43,2	341	16
46270G72031M25	3 G 2,5	14,1	72	405	14
46270G72031M40	3 G 4	15,3	115,2	495	12
46270G72031M60	3 G 6	16,6	172,8	600	10
46270G72031M61	3 G 10	19,5	288	900	8
46270G72031M62	3 G 16	21,2	460,8	1080	6
46270G72031M63	3 G 25	26,7	720	1750	4
46270G72031M64	3 G 35	29,6	1008	2100	2
46270G72031M65	3 G 50	28,5	1440	2350	1
46270G72031M66	3 G 70	32,2	2016	3150	2/0
46270G72031M67	3 G 95	37	2736	4300	3/0
46270G72031M68	3 G 120	40,4	3456	5250	4/0
46270G72031M69	3G 150	45,5	4320	6720	300 MCM
46270G72031M70	3 G 185	49,8	5328	8040	350 MCM
46270G72031M71	3 G 240	55,1	6912	10150	500 MCM
46270G72031M72	3 G 300	60,2	8640	12320	600 MCM
46270G72031M73	3 G 400	66,6	11520	15090	750 MCM
46270G72041M15	4 G 1,5	13,5	57,6	390	16
46270G72041M25	4 G 2,5	15	96	465	14
46270G72041M40	4 G 4	16,4	153,6	579	12
46270G72041M60	4 G 6	18,7	230,4	820	10
46270G72041M61	4 G 10	21,1	384	1090	8
46270G72041M62	4 G 16	22,9	614,4	1400	6
46270G72041M63	4 G 25	28,9	960	2100	4
46270G72041M64	4 G 35	32,1	1344	2580	2
46270G72041M65	4 G 50	32	1920	3000	1
46270G72041M66	4 G 70	37,7	2688	4300	2/0
46270G72041M67	4 G 95	41,7	3648	5510	3/0
46270G72041M68	4 G 120	47,1	4608	7150	4/0
46270G72041M69	4 G 150	51,4	5760	8500	300 MCM
46270G72041M70	4 G 185	56,6	7104	10300	350 MCM
46270G72041M71	4 G 240	63	9216	13000	500 MCM
46270G72041M72	4 G 300	68,8	11520	15750	600 MCM
46270G72041M73	4 G 400	78,1	15360	20450	750 MCM

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)FR (XLPE/PVC/SWA/PVC)

Construction acc. to IEC 60502-1



ELETTROTEK KABEL® RE4OFR



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46270G73050M15	5 x 1,5	14,2	72	433	16
46270G73050M25	5 x 2,5	16	120	530	14
46270G73050M40	5 x 4	18,4	192	775	12
46270G73050M60	5 x 6	19,7	288	929	10
46270G73050M61	5 x 10	23,2	480	1300	8
46270G73050M62	5 x 16	26,6	768	1880	6
46270G73050M63	5 x 25	31,7	1200	2670	4
46270G73050M64	5 x 35	33	1680	2800	2
46270G71060M15	6 x 1,5	15,2	86,4	497	16
46270G71060M25	6 x 2,5	17,1	144	609	14
46270G71060M40	6 x 4	19,7	230,4	886	12
46270G71060M60	6 x 6	21,3	345,6	1070	10
46270G71060M61	6 x 10	25,6	576	1650	8
46270G71060M62	6 x 16	28,8	921,6	2190	6
46270G71060M63	6 x 25	34,1	1440	3090	4
46270G71070M15	7 x 1,5	15,2	100,8	506	16
46270G71070M25	7 x 2,5	17,1	168	618	14
46270G71070M40	7 x 4	19,7	268,8	907	12
46270G71070M60	7 x 6	21,3	403,2	1110	10
46270G71070M61	7 x 10	25,6	672	1720	8
46270G71070M62	7 x 16	28,8	1075,2	2300	6
46270G71070M63	7 x 25	38,6	1680	3900	4
46270G71080M15	8 x 1,5	17,6	115,2	663	16
46270G71080M25	8 x 2,5	18,8	192	793	14
46270G71080M40	8 x 4	21,2	396,8	1030	12
46270G71080M60	8 x 6	24,1	460,8	1440	10
46270G71080M61	8 x 10	27,7	768	1960	8
46270G71100M15	10 x 1,5	19,8	144	812	16
46270G71100M25	10 x 2,5	21,4	240	989	14
46270G71100M40	10 x 4	25,1	384	1410	12
46270G71100M60	10 x 6	27,3	576	1680	10
46270G71100M61	10 x 10	31,5	960	2320	8
46270G71120M15	12 x 1,5	19,4	172,8	854	16
46270G71120M25	12 x 2,5	22,4	288	1080	14
46270G71120M40	12 x 4	27,7	460,8	1550	12
46270G71120M60	12 x 6	28	691,2	1920	10
46270G71120M61	12 x 10	32,3	1152	2660	8
46270G71160M15	16 x 1,5	21,9	230,4	1020	16
46270G71160M25	16 x 2,5	25	384	1430	14
46270G71160M40	16 x 4	29,1	614,4	1950	12
46270G71160M60	16 x 6	30,4	921,6	2300	10
46270G71190M15	19 x 1,5	23,2	273,6	1120	16
46270G71190M25	19 x 2,5	26,1	456	1570	14
46270G71190M40	19 x 4	29,3	729,6	2050	12
46270G71220M15	22 x 1,5	27,3	316,8	1560	16
46270G71220M25	22 x 2,5	29,7	528	1930	14
46270G71220M40	22 x 4	33,5	844,8	2530	12
46270G71270M15	27 x 1,5	27,9	388,8	1630	16
46270G71270M25	27 x 2,5	30,2	648	2050	14
46270G71270M40	27 x 4	34,2	1036,8	2740	12
46270G71300M15	30 x 1,5	28,5	432	1730	16
46270G71300M25	30 x 2,5	31,3	720	2200	14
46270G71370M15	37 x 1,5	30,6	532,8	1970	16
46270G71370M25	37 x 2,5	33,8	888	2540	14
46270G71370M40	37 x 4	39,6	1420,8	-	12
46270G71400M15	40 x 1,5	31,5	576	2080	16
46270G71400M25	40 x 2,5	35,9	960	2970	14
46270G71480M15	48 x 1,5	33,9	691,2	2390	16
46270G71480M25	48 x 2,5	38,8	1152	3430	14
46270G71480M40	48 x 4	44,6	1843,2	-	12

Other dimensions and colours available on request.

RE4(O)FR (XLPE/PVC/SWA/PVC)

0,6/1 kV according to BS 5467



ELETTROTEK KABEL® RE4OFR



Construction:

Conductor:	stranded red copper conductor Cl. 2, acc to IEC 60228
Insulation:	XLPE compound
Colour cores:	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
Inner sheath:	PVC compound
Armour:	steel wires
Outer sheath:	black (RAL 9005),PVC compound

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 0 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	8 x d

Resistance:



Flame retardant and self extinguishing acc. to:
DIN VDE 0482 part 266-2-4
EN 50266-2-4
IEC 60332-1-2

Features:

according to BS 5467
according to IEC 60502-1
on request 300/500 V

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)FR (XLPE/PVC/SWA/PVC)

0,6/1 kV according to BS 5467



ELETTROTEK KABEL® RE4OFR



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46280G73020M15	2 x 1,5	12,3	28,8	300	16
46280G73020M25	2 x 2,5	13,6	48	360	14
46280G73020M40	2 x 4	14,7	76,8	420	12
46280G73020M60	2 x 6	15,9	115,2	500	10
46280G73020M61	2 x 10	18	192	650	8
46280G73020M62	2 x 16	20	307,2	910	6
46280G73020M63	2 x 25	24,1	480	1060	4
46280G73020M64	2 x 35	27,9	672	1480	2
46280G73020M65	2 x 50	25,8	960	1800	1
46280G73020M66	2 x 70	29	1344	2300	2/0
46280G73020M67	2 x 95	33,1	1824	3170	3/0
46280G73020M68	2 x 120	36,1	2304	3800	4/0
46280G73020M69	2 x 150	39,3	2880	4500	300 MCM
46280G73020M70	2 x 185	44,7	3552	5800	350 MCM
46280G73020M71	2 x 240	59	4608	7280	500 MCM
46280G73020M72	2 x 300	53,5	5760	8750	600 MCM
46280G73020M73	2 x 400	59	7680	10700	750 MCM
46280G72031M15	3 G 1,5	12,8	43,2	341	16
46280G72031M25	3 G 2,5	14,1	72	405	14
46280G72031M40	3 G 4	15,3	115,2	495	12
46280G72031M60	3 G 6	16,6	172,8	600	10
46280G72031M61	3 G 10	19,5	288	900	8
46280G72031M62	3 G 16	21,2	460,8	1080	6
46280G72031M63	3 G 25	26,7	720	1750	4
46280G72031M64	3 G 35	29,6	1008	2100	2
46280G72031M65	3 G 50	28,5	1440	2350	1
46280G72031M66	3 G 70	32,2	2016	3150	2/0
46280G72031M67	3 G 95	37	2736	4300	3/0
46280G72031M68	3 G 120	40,4	3456	5250	4/0
46280G72031M69	3G 150	45,5	4320	6720	300 MCM
46280G72031M70	3 G 185	49,8	5328	8040	350 MCM
46280G72031M71	3 G 240	55,1	6912	10150	500 MCM
46280G72031M72	3 G 300	60,2	8640	12320	600 MCM
46280G72031M73	3 G 400	66,6	11520	15090	750 MCM
46280G72041M15	4 G 1,5	13,5	57,6	390	16
46280G72041M25	4 G 2,5	15	96	465	14
46280G72041M40	4 G 4	16,4	153,6	579	12
46280G72041M60	4 G 6	18,7	230,4	820	10
46280G72041M61	4 G 10	21,1	384	1090	8
46280G72041M62	4 G 16	22,9	614,4	1400	6
46280G72041M63	4 G 25	28,9	960	2100	4
46280G72041M64	4 G 35	32,1	1344	2580	2
46280G72041M65	4 G 50	32	1920	3000	1
46280G72041M66	4 G 70	37,7	2688	4300	2/0
46280G72041M67	4 G 95	41,7	3648	5510	3/0
46280G72041M68	4 G 120	47,1	4608	7150	4/0
46280G72041M69	4 G 150	51,4	5760	8500	300 MCM
46280G72041M70	4 G 185	56,6	7104	10300	350 MCM
46280G72041M71	4 G 240	63	9216	13000	500 MCM
46280G72041M72	4 G 300	68,8	11520	15750	600 MCM
46280G72041M73	4 G 400	78,1	15360	20450	750 MCM

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)FR (XLPE/PVC/SWA/PVC)

0,6/1 kV according to BS 5467



ELETTROTEK KABEL® RE4OFR



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46280G73050M15	5 x 1,5	14,2	72	433	16
46280G73050M25	5 x 2,5	16	120	530	14
46280G73050M40	5 x 4	18,4	192	775	12
46280G73050M60	5 x 6	19,7	288	929	10
46280G73050M61	5 x 10	23,2	480	1300	8
46280G73050M62	5 x 16	26,6	768	1880	6
46280G73050M63	5 x 25	31,7	1200	2670	4
46280G73050M64	5 x 35	33	1680	2800	2
46280G71060M15	6 x 1,5	15,2	86,4	497	16
46280G71060M25	6 x 2,5	17,1	144	609	14
46280G71060M40	6 x 4	19,7	230,4	886	12
46280G71060M60	6 x 6	21,3	345,6	1070	10
46280G71060M61	6 x 10	25,6	576	1650	8
46280G71060M62	6 x 16	28,8	921,6	2190	6
46280G71060M63	6 x 25	34,1	1440	3090	4
46280G71070M15	7 x 1,5	15,2	100,8	506	16
46280G71070M25	7 x 2,5	17,1	168	618	14
46280G71070M40	7 x 4	19,7	268,8	907	12
46280G71070M60	7 x 6	21,3	403,2	1110	10
46280G71070M61	7 x 10	25,6	672	1720	8
46280G71070M62	7 x 16	28,8	1075,2	2300	6
46280G71070M63	7 x 25	38,6	1680	3900	4
46280G71080M15	8 x 1,5	17,6	115,2	663	16
46280G71080M25	8 x 2,5	18,8	192	793	14
46280G71080M40	8 x 4	21,2	396,8	1030	12
46280G71080M60	8 x 6	24,1	460,8	1440	10
46280G71080M61	8 x 10	27,7	768	1960	8
46280G71100M15	10 x 1,5	19,8	144	812	16
46280G71100M25	10 x 2,5	21,4	240	989	14
46280G71100M40	10 x 4	25,1	384	1410	12
46280G71100M60	10 x 6	27,3	576	1680	10
46280G71100M61	10 x 10	31,5	960	2320	8
46280G71120M15	12 x 1,5	19,4	172,8	854	16
46280G71120M25	12 x 2,5	22,4	288	1080	14
46280G71120M40	12 x 4	27,7	460,8	1550	12
46280G71120M60	12 x 6	28	691,2	1920	10
46280G71120M61	12 x 10	32,3	1152	2660	8
46280G71160M15	16 x 1,5	21,9	230,4	1020	16
46280G71160M25	16 x 2,5	25	384	1430	14
46280G71160M40	16 x 4	29,1	614,4	1950	12
46280G71160M60	16 x 6	30,4	921,6	2300	10
46280G71190M15	19 x 1,5	23,2	273,6	1120	16
46280G71190M25	19 x 2,5	26,1	456	1570	14
46280G71190M40	19 x 4	29,3	729,6	2050	12
46280G71220M15	22 x 1,5	27,3	316,8	1560	16
46280G71220M25	22 x 2,5	29,7	528	1930	14
46280G71220M40	22 x 4	33,5	844,8	2530	12
46280G71270M15	27 x 1,5	27,9	388,8	1630	16
46280G71270M25	27 x 2,5	30,2	648	2050	14
46280G71270M40	27 x 4	34,2	1036,8	2740	12
46280G71300M15	30 x 1,5	28,5	432	1730	16
46280G71300M25	30 x 2,5	31,3	720	2200	14
46280G71370M15	37 x 1,5	30,6	532,8	1970	16
46280G71370M25	37 x 2,5	33,8	888	2540	14
46280G71370M40	37 x 4	39,6	1420,8	-	12
46280G71400M15	40 x 1,5	31,5	576	2080	16
46280G71400M25	40 x 2,5	35,9	960	2970	14
46280G71480M15	48 x 1,5	33,9	691,2	2390	16
46280G71480M25	48 x 2,5	38,8	1152	3430	14
46280G71480M40	48 x 4	44,6	1843,2	-	12

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)MI (XLPE/LS0H)



ELETTROTEK KABEL® RE4OM1

Construction:

- Conductor:** stranded red copper conductor Cl. 2, acc to IEC 60228
- Insulation:** XLPE compound
- Colour cores:** 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 (RAL 9005), thermoplastic polyolefine compound

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2
IEC 60332-3-24



Halogen free acc. to:
DIN VDE 0482 part 267,
EN 50267-2-1
IEC 60754-1 (equivalent DIN VDE 0472 part 815)



Low smoke emission acc. to:
IEC 61034-1,
EN 50268-1,
DIN VDE 0482 part.268-1

Technical data:

- Nominal voltage:** 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range**
- Fixed laying:* - 25 °C / + 90 °C
- Flexible application:* - 5 °C / + 90 °C
- Max short circuit temperature:** + 250 °C
- Min. bending radius:** 12 x d
- Max. tensile stress:** 50 N/mm²

Features:

according to IEC 60502-1

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46290G7L010M40	1x4	6,5	38	65	12
46290G7L010M60	1x6	7	58	85	10
46290G7L010M61	1x10	8	96	125	8
46290G7L010M62	1x16	9	154	190	6
46290G7L010M63	1x25	11	240	300	4
46290G7L010M64	1x35	12	336	375	2
46290G7L010M65	1x50	14	480	500	1
46290G7L010M66	1x70	15	672	700	2/0
46290G7L010M67	1x95	17	912	950	3/0
46290G7L010M68	1x120	19	1152	950	4/0
46290G7L010M69	1x150	21	1440	1400	250 MCM
46290G7L010M70	1x185	23	1776	1800	350 MCM
46290G7L010M71	1x240	26	2304	-	450 MCM
46290G7L010M72	1x300	28	2880	3000	550 MCM
46290G7L010M73	1x400	32	3840	-	750 MCM
46290G7L010M74	1x500	36	4800	-	1000 MCM
46290G73020M15	2x1,5	11,1	29	180	16
46290G73020M25	2x2,5	11,9	48	210	14
46290G73020M40	2x4	12,7	77	270	12
46290G73020M60	2x6	13,7	115	340	10

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)MI (XLPE/LS0H)



ELETTROTEK KABEL® RE4OM1

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46290G72031M15	3G1,5	11	43	135	16
46290G72031M25	3G2,5	11,5	72	175	14
46290G72031M40	3G4	12,5	115	225	12
46290G72031M60	3G6	13,5	173	300	10
46290G72031M61	3G10	15,5	288	430	8
46290G72031M62	3G16	18	461	650	6
46290G72031M63	3G25	22	720	950	4
46290G72031M64	3G35	24	1008	1250	2
46290G72031M65	3G50	27	1440	1700	1
46290G72031M66	3G70	31	2016	2450	2/0
46290G72031M67	3G95	35	2736	3300	3/0
46290G72031M68	3G120	39	3240	4100	4/0
46290G72031M69	3G150	43	4320	5050	150 MCM
46290G72031M70	3G185	48	5328	6250	250 MCM
46290G72031M71	3G240	54	6912	8150	500 MCM
46290G72031M72	3G300	60	8640	10200	600 MCM
46290G72031M73	3G400	67	11520	13000	750 MCM
46290G72035M62	3x16+1x10	19,5	556	750	8
46290G72035M63	3x25+1x16	23	873,6	1150	6
46290G72035M64	3x35+1x16	25	1161,6	1450	6
46290G72035M65	3x50+1x25	29	1680	2000	4
46290G72035M66	3x70+1x35	33	2016	2800	2
46290G72035M67	3x95+1x50	37	3408	3800	1
46290G72035M68	3x120+1x70	42	4128	4800	2/0
46290G72035M69	3x150+1x70	46	5232	5750	2/0
46290G72035M70	3x185+1x95	51	6240	7250	3/0
46290G72035M71	3x240+1x120	57	8352	9350	4/0
46290G72035M72	3x300+1x150	63	10080	11650	150 MCM
46290G72035M73	3x400+1x185	71	13296	14750	250 MCM
46290G72041M15	4G1,5	11,5	57,6	160	16
46290G72041M25	4G2,5	12,5	96	210	14
46290G72041M40	4G4	13,5	153,6	280	12
46290G72041M60	4G6	15	230,4	380	10
46290G72041M61	4G10	17	384	540	8
46290G72041M62	4G16	20	614,4	800	6
46290G72041M63	4G25	24	960	1250	4
46290G72041M64	4G35	26	1344	1650	2
46290G72041M65	4G50	30	1920	2250	1
46290G72041M66	4G70	35	2688	3150	2/0
46290G72041M67	4G95	39	3648	4200	3/0
46290G72041M68	4G120	44	4608	5300	4/0
46290G72041M69	4G150	48	5760	6500	150 MCM
46290G72041M70	4G185	53	7104	8100	250 MCM
46290G72041M71	4G240	60	9216	10500	500 MCM
46290G72041M72	4G300	66	11520	13100	600 MCM
46290G72041M73	4G400	75	15360	16750	750 MCM

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)MI (XLPE/LS0H)



ELETTROTEK KABEL® RE4OM1

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46290G71070M10	7x1	12,2	67	210	17
46290G71100M10	10x1	14,7	96	310	17
46290G71180M10	18x1	17,5	172	460	17
46290G73050M15	5x1,5	12,7	72	206	16
46290G71070M15	7x1,5	13,1	100,8	243	16
46290G71100M15	10x1,5	13,8	144	287	16
46290G71120M15	12x1,5	15,2	172,8	328	16
46290G71190M15	19x1,5	17,3	273,6	484	16
46290G71240M15	24x1,5	20,2	345,6	603	16
46290G71070M25	7x2,5	13,5	168	310	14
46290G71100M25	10x2,5	15,9	240	472	14
46290G71120M25	12x2,5	17,3	288	540	14
46290G71190M25	19x2,5	21,3	456	840	14
46290G71240M25	24x2,5	24,6	576	1050	14
46290G73050M60	5x 6	16,6	260	500	10
46290G73050M63	5x25	26,1	1095	1600	4
46290G73050M64	5x35	29,3	1525	2110	2
46290G73050M67	5x95	43,8	4135	5360	3/0

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)FMI (XLPE/LS0H/SWA/LS0H)



ELETTROTEK KABEL® RE4OFM1



Construction:

Conductor:	stranded red copper conductor Cl. 2, acc to IEC 60228
Insulation:	XLPE compound
Colour cores:	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
Inner sheath:	thermoplastic, halogen free compound
Armour:	steel wires
Outer sheath:	black (RAL 9005), halogen free compound

Resistance:



Self-extinguishing and flame retardant acc. to:

DIN VDE 0482 part 266-1
EN 50266-1
IEC 60332-1-2
IEC 60332-3-24



Halogen free acc. to:

acc. to DIN VDE 0482 part 267
EN 50267-2-1 /
IEC 60754-1 (equivalent DIN VDE 0472 part 815)



Low smoke emission acc. to:

IEC 61034-1
EN 50268-1
DIN VDE 0482 part.268-1

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 0 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	8 x d

Features:

according to IEC 60502-1

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46300G7L010M65	1x50	19,7	480	850	1
46300G7L010M66	1x70	21,6	672	1080	2/0
46300G7L010M67	1x95	23,2	912	1360	3/0
46300G7L010M68	1x120	25,0	1152	1630	4/0
46300G7L010M69	1x150	26,8	1440	1940	250 MCM
46300G7L010M70	1x185	28,6	1776	2320	350 MCM
46300G7L010M71	1x240	31,7	2304	2920	450 MCM
46300G7L010M72	1x300	34,2	2880	3580	550 MCM
46300G7L010M73	1x400	37,6	3840	4490	750 MCM
46300G7L010M74	1x500	41,5	4800	5630	1000 MCM
46300G7L010M75	1x630	45,8	6048	7140	1250 MCM
46300G73020M15	2x1,5	13,3	28,8	330	16
46300G73020M25	2x2,5	14	48	370	14
46300G73020M40	2x4	15,1	76,8	440	12
46300G73020M60	2x6	16,2	115,2	530	10
46300G73020M61	2x10	18,5	192	800	8
46300G73020M62	2x16	20,4	307,2	1010	6
46300G73020M63	2x25	24,3	480	1510	4
46300G73020M64	2x35	26,4	672	1820	2
46300G73020M65	2x50	28,9	960	2230	1
46300G73020M66	2x70	33,1	1344	2930	2/0
46300G73020M67	2x95	37,7	1824	3990	3/0
46300G73020M68	2x120	41,5	2304	4810	4/0
46300G73020M69	2x150	45,3	2880	5690	150 MCM
46300G73020M70	2x185	50,8	3552	7300	250 MCM

INDUSTRIAL LOW VOLTAGE CABLES

RE4(O)FMI (XLPE/LS0H/SWA/LS0H)



ELETTROTEK KABEL® RE40FM1

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46300G72031M15	3G1,5	13,7	43,2	360	16
46300G72031M25	3G2,5	14,6	72	410	14
46300G72031M40	3G4	15,7	115,2	500	12
46300G72031M60	3G6	16,9	172,8	600	10
46300G72031M61	3G10	19,3	288	910	8
46300G72031M62	3G16	21,3	460,8	1170	6
46300G72031M63	3G25	25,6	720	1760	4
46300G72031M64	3G35	27,8	1008	2160	2
46300G72031M65	3G50	30,7	1440	2700	1
46300G72031M66	3G70	36,2	2016	3850	2/0
46300G72031M67	3G95	40	2736	4880	3/0
46300G72031M68	3G120	44,1	3456	5900	4/0
46300G72031M69	3G150	49,8	4320	7550	150 MCM
46300G72031M70	3G185	54	5328	9010	250 MCM
46300G72041M15	4G1.5	14,5	57,6	400	16
46300G72041M25	4G2.5	15,4	96	460	14
46300G72041M40	4G4	16,8	153,6	570	12
46300G72041M60	4G6	19	230,4	830	10
46300G72041M61	4G10	20,6	384	1060	8
46300G72041M62	4G16	23,6	614,4	1510	6
46300G72041M63	4G25	27,6	960	2080	4
46300G72041M64	4G35	30,3	1344	2610	2
46300G72041M65	4G50	33,5	1920	3270	1
46300G72041M66	4G70	39,7	2688	4680	2/0
46300G72041M67	4G95	43,8	3648	5970	3/0
46300G72041M68	4G120	49,9	4608	7770	4/0
46300G72041M69	4G150	54,4	5760	9240	150 MCM
46300G72041M70	4G185	59,3	7104	11090	250 MCM
46300G72035M64	3x35+1x25	29,5	1248	2460	4
46300G72035M65	3x50+1x25	32,1	1680	2960	4
46300G72035M66	3x70+1x35	37,9	2352	4220	2
46300G72035M67	3x95+1x70	41,8	3408	5350	1
46300G72035M68	3x120+1x70	46,5	4128	6610	1
46300G72035M69	3x150+1x95	52,4	5232	8510	2/0
46300G72035M70	3x185+1x95	56,3	6240	9920	2/0
46300G72035M71	3x240+1x150	64,5	8352	12840	3/0
46300G72035M72	3x300+1x150	69	10080	15110	3/0
46300G73050M15	5x1,5	12,7	72	206	16
46300G71070M15	7x1,5	13,1	100,8	243	16
46300G71100M15	10x1,5	13,8	144	287	16
46300G71120M15	12x1,5	15,2	172,8	328	16
46300G71190M15	19x1,5	17,3	273,6	484	16
46300G71240M15	24x1,5	20,2	345,6	603	16
46300G71070M25	7x2,5	13,5	168	310	14
46300G71100M25	10x2,5	15,9	240	472	14
46300G71120M25	12x2,5	17,3	288	540	14
46300G71190M25	19x2,5	21,3	456	840	14
46300G71240M25	24x2,5	24,6	576	1050	14

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

N2XH



CE

ELETTROTEK KABEL® N2XH

Construction:

Conductor:	plain Cu wire conductor, single or multiple wire, according to DIN VDE 0295 cl.1 and IEC 60228cl. 1 or 2, HD 38
Insulation:	Halogen-free core insulation, cross-linked polyethylene compound 2X11, to HD 604 S
Colour cores:	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
Stranding:	cores stranded in layers
Wrapping:	filling compound or wrapped tape
Outer sheath:	black (RAL 9005), thermoplastic polyolefine compound HM4 to HD 604 S1

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 266-2-4
EN 50266-2-4
IEC 60332-3-24



Halogen free acc. to:
DIN VDE 0482 part 267,
EN 50267-2-1
IEC 60754-1 (equivalent DIN VDE 0472 part 815)



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)



Smoke density acc. to:
IEC 61034-1-2,
DIN VDE 0482 part. 268-1-2,
EN 50268-1-2

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Highest voltage:	Um 1,2 kV
Temperature range	
<i>fixed laying:</i>	- 30 °C / + 90 °C
<i>flexible application:</i>	- 5 °C / + 70 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius	
<i>Single core:</i>	12 x d
<i>Multi cores:</i>	15 x d
Radiation resistance:	up to 100x10 ⁶ cJ/kg

Features:

according to IEC 60502-1

UV resistance



re: circular solid conductor



rm: circular stranded conductor



sm: sector-shaped stranded conductor



se: sector-shaped solid conductor

INDUSTRIAL LOW VOLTAGE CABLES

N2XH



CE

ELETTROTEK KABEL® N2XH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46310G7L010M40	1x4 re	8	39	68	12
46310G7L010M60	1x6 re	9	58	90	10
46310G7L010M61	1x10 re	9	96	140	8
46310G7L010M62	1x16 rm	10	154	190	6
46310G7L010M63	1x25 rm	11	240	290	4
46310G7L010M64	1x35 rm	12	336	390	2
46310G7L010M65	1x50 rm	15	480	510	1
46310G7L010M66	1x70 rm	17	672	710	2/0
46310G7L010M67	1x95 rm	19	912	960	3/0
46310G7L010M68	1x120 rm	21	1152	1200	4/0
46310G7L010M69	1x150 rm	23	1440	1480	250 MCM
46310G7L010M70	1x185 rm	25	1776	1910	350 MCM
46310G7L010M71	1x240 rm	28	2304	2370	450 MCM
46310G7L010M72	1x300 rm	30	2880	2970	550 MCM
46310G7L010M73	1x400 rm	32	3840	4420	750 MCM
46310G7L010M74	1x500 rm	37	4800	4866	1000 MCM
46310G73020M15	2x1,5 re	12	29	185	16
46310G73020M25	2x2,5 re	12,2	48	220	14
46310G73020M40	2x4 re	13,2	77	275	12
46310G73020M60	2x6 re	14,1	115	335	10
46310G73020M61	2x10 re	16,2	192	450	8
46310G73020M62	2x16 re	17,8	307	620	6
46310G73020M63	2x25 rm	21	480	930	4
46310G72031M15	3G1,5 re	13	43	220	16
46310G72031M25	3G2,5 re	14	72	280	14
46310G72031M40	3G4 re	15	115	350	12
46310G72031M60	3G6 re	16	173	420	10
46310G72031M61	3G10 re	18	288	600	8
46310G72031M62	3G16 re	20	461	770	6
46310G72031M63	3G25 rm	21,8	720	1120	4
46310G72031M64	3G35 rm	24,9	1008	1550	2
46310G72031M65	3G50 rm	25,2	1440	1750	1
46310G72031M66	3G70 rm	29,2	2016	2450	2/0
46310G72031M67	3G95 rm	32	2736	3250	3/0
46310G72031M68	3G120 rm	34,9	3456	4000	4/0
46310G72031M69	3G150 rm	39,2	4320	5000	250 MCM
46310G72031M70	3G185 rm	44,1	5328	6150	350 MCM
46310G72031M71	3G240 rm	49,2	6912	8000	450 MCM
46310G72041M15	4G1,5 re	13	58	235	16
46310G72041M25	4G2,5 re	14	96	290	14
46310G72041M40	4G4 re	15	154	370	12
46310G72041M60	4G6 re	16	253	470	10
46310G72041M61	4G10 re	18	384	670	8
46310G72041M62	4G16 re	20	614	930	6
46310G72041M63	4G25 rm	25	960	1440	4
46310G72041M64	4G35 rm	27	1344	1890	2
46310G72041M65	4G50 rm	28	1920	2300	1
46310G72041M66	4G70 rm	32	2668	3200	2/0
46310G72041M67	4G95 rm	36	3648	4250	3/0
46310G72041M68	4G120 rm	40,2	4608	5350	4/0
46310G72041M69	4G150 rm	45,8	5760	6550	250 MCM
46310G72041M70	4G185 rm	49,5	7104	8100	350 MCM
46310G72041M71	4G240 rm	56	9216	10550	450 MCM

INDUSTRIAL LOW VOLTAGE CABLES

N2XH



CE

ELETTROTEK KABEL® N2XH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46310G72051M15	5G1,5 re	14,5	72	280	16
46310G72051M25	5G2,5 re	16	120	350	14
46310G72051M40	5G4 re	17	192	450	12
46310G72051M60	5G6 re	18,5	288	600	10
46310G72051M61	5G10 re	21	480	850	8
46310G72051M62	5G16 re	24	768	1200	6
46310G70071M15	7G1,5 re	15,5	101	350	16
46310G70071M25	7G2,5 re	17	168	370	14
46310G70071M40	7G4 re	17,2	269	530	12
46310G70101M15	10G1,5 re	18,5	144	480	16
46310G70101M25	10G2,5 re	20	240	500	14
46310G70121M15	12G1,5 re	19	173	520	16
46310G70121M25	12G2,5 re	21	288	560	14
46310G70121M40	12G4 re	21,2	461	800	12
46310G70141M15	14G1,5 re	20	202	550	16
46310G70141M25	14G2,5 re	22	336	630	14
46310G70191M15	19G1,5 re	22	274	700	16
46310G70191M25	19G2,5 re	24	456	800	14
46310G70241M15	24G1,5 re	25	346	850	16
46310G70241M25	24G2,5 re	27	576	990	14
46310G70301M15	30G1,5 re	26	432	950	16
46310G70301M25	30G2,5 re	28	720	1180	14

3+1/2 conductors

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46310G72035M65	3X50/25 rm	28,5	1680	2300	1
46310G72035M66	3X70/35 rm	31,4	2352	2800	2/0
46310G72035M67	3X95/50 rm	34,9	3216	3800	3/0
46310G72035M68	3X120/70 rm	38	4128	4700	4/0
46310G72035M69	3X150/70	43,3	4992	5600	250 MCM
46310G72035M70	3X185/95	47,2	6240	7400	350 MCM
46310G72035M71	3X240/120	53,4	8064	9600	450 MCM

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

N2XCH



CE

ELETTROTEK KABEL® N2XCH

Construction:

Conductor:	plain Cu wire conductor, single or multiple wire, according to DIN VDE 0295 cl.1 and IEC 60228cl. 1 or 2, HD 38
Insulation:	Halogen-free core insulation, cross-linked polyethylene compound 2X11, to HD 604 S
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334
Stranding:	cores stranded in layers
Wrapping:	filling compound or wrapped tape
Screen:	concentric conductor of plain Copper wires
Outer sheath:	black (RAL 9005), thermoplastic polyolefine compound HM4 to HD 604 S1

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 266-2-4
EN 50266-2-4
IEC 60332-3-24



Halogen free acc. to:
DIN VDE 0482 part 267
EN 50267-2-1 /
IEC 60754-1 (equivalent DIN VDE 0472 part 815)



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2 /
IEC 60754-2 (equivalent DIN VDE 0472 part 813)



Smoke density acc. to:
IEC 61034-1-2
DIN VDE 0482 part. 268-1-2,
EN 50268-1-2

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Highest voltage:	Um 1,2 kV
Temperature range	
<i>fixed laying:</i>	- 30 °C / + 90 °C
<i>flexible application:</i>	- 5 °C / + 70 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	12 x d
Radiation resistance:	up to 100x10 ⁶ cJ/kg

Features:

according to IEC 60502-1

UV resistance



re: circular solid conductor



rm: circular stranded conductor



sm: sector-shaped stranded conductor



se: sector-shaped solid conductor

INDUSTRIAL LOW VOLTAGE CABLES

N2XCH



CE

ELETTROTEK KABEL® N2XCH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46320G73020M15	2x1,5/1,5 re	14	53	250	16
46320G73020M25	2x2,5/2,5 re	15	81,1	280	14
46320G73020M40	2x4/4 re	14	122	320	12
46320G73020M60	2x6/6 re	15	183	400	10
46320G73020M61	2x10/10 re	16	311	560	8
46320G73020M62	2x16/16 re	19,1	490	780	6
46320G73030M15	3x1,5/1,5 re	14,5	67	250	16
46320G73030M25	3x2,5/2,5 re	15,5	104	320	14
46320G73030M40	3x4/4 re	16,5	161	400	12
46320G73030M60	3x6/6 re	18	242	500	10
46320G73030M61	3x10/10 re	20	408	750	8
46320G73030M62	3x16/16 re	22,5	643	1000	6
46320G73030M63	3x25/16 re	27	1001	1600	4
46320G73030M64	3x35/16 re	27,5	1190	1900	2
46320G73030M65	3x50/25 re	32,3	2003	2400	1
46320G73030M66	3x70/35 re	35,6	2794	3060	2/0
46320G73030M67	3x95/50 re	39	3790	4200	3/0
46320G73030M68	3x120/70 re	42	4785	5207	4/0
46320G73030M69	3x150/70 re	43,5	5100	5700	250 MCM
46320G73030M70	3x185/95 re	47,4	6381	7150	350 MCM
46320G73030M71	3x240/120 re	53,5	8240	9250	450 MCM
46320G73040M15	4x1,5/1,5 re	15,5	81	300	16
46320G73040M25	4x2,5/2,5 re	16,5	129	380	14
46320G73040M40	4x4/4 re	17,5	202	480	12
46320G73040M60	4x6/6 re	19	297	600	10
46320G73040M61	4x10/10 re	21,5	504	850	8
46320G73040M62	4x16/16 re	24,5	797	1200	6
46320G73040M63	4x25/16 rm	29	1142	1800	4
46320G73040M64	4x35/16 rm	29,5	1528	2100	2
46320G73040M65	4x50/25 rm	32,5	2203	2800	1
46320G73040M66	4x70/35 rm	38	3082	3800	2/0
46320G73040M67	4x95/50 rm	43,5	4208	5100	3/0
46320G73040M68	4x120/70 rm	50,5	5382	6556	4/0
46320G73040M69	4x150/70 rm	52,1	6540	7600	250 MCM
46320G73040M70	4x185/95 rm	57,2	8159	9370	350 MCM
46320G73040M71	4x240/120 re	62,6	10546	11611	450 MCM
46320G70070M15	7x1,5/2,5 re	14,5	132	320	16
46320G70070M25	7x2,5/2,5 re	15,1	200	400	14
46320G70070M40	7x4/4 re	18,1	316	580	12
46320G70100M15	10x1,5/2,5 re	17,2	177	420	16
46320G70100M25	10x2,5/4 re	18,9	287	550	14
46320G70120M15	12x1,5/2,5 re	18,4	204	460	16
46320G70120M25	12x2,5/4 re	19,2	335	610	14
46320G70120M40	12x4/6 re	22,6	528	910	12
46320G70160M15	16x1,5/4 re	20	275	686	16
46320G70160M25	16x2,5/6 re	20,9	450	805	14
46320G70210M15	21x1,5/6 re	22,6	370	766	16
46320G70210M25	21x2,5/6 re	25,2	572	1015	14
46320G70240M15	24x1,5/6 re	23,2	412	800	16
46320G70240M25	24x2,5/10 re	26,1	695	1100	14
46320G70300M15	30x1,5/6 re	24,3	500	930	16
46320G70300M25	30x2,5/10 re	28	842	1290	14

Other dimensions and colours available on request.

INDUSTRIAL LOW VOLTAGE CABLES

GAALFLEX® CONTROL 07BQ-F

PUR power cable, single core, 450/750 V



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber compound
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2
Stranding:	in layers
Outer sheath:	orange (RAL 2003),PUR

Features:

- Chemical resistant
- UV resistant
- Abrasion resistant

Technical data:

Nominal voltage:	450/750 V
Test voltage:	2,5 kV
Temperature range	
<i>fixed laying:</i>	- 40 °C / + 90 °C
<i>flexible application:</i>	- 40 °C / + 90 °C
Min. bending radius:	10 x d
Insulation resistance:	min. 20 MΩ x km

Applications:

Connecting cable used in hand-held electric tools, for flexible and fixed installation. Suitable in dry, humid or wet rooms. Outdoor use within temperature range, no laying underground

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
31310EGL010M62	1x16	10,8	153,6	230	6
31310EGL010M63	1x25	12,8	240	350	4
31310EGL010M64	1x35	15,3	336	484	2
31310EGL010M65	1x50	16,8	480	620	1
31310EGL010M66	1x70	19	672	830	2/0
31310EGL010M67	1x95	21,8	912	1130	3/0
31310EGL010M68	1x120	24,3	1152	1390	4/0
31310EGL010M69	1x150	26,6	1440	1710	250 MCM
31310EGL010M70	1x185	29,2	1776	2130	350 MCM
31310EGL010M71	1x240	33	2304	2720	450 MCM
31310EGL010M72	1x300	35	2880	3140	550 MCM

Other dimensions and colours available on request.

* Black or green/yellow insulation

L: black
PE: green/yellow.

INDUSTRIAL LOW VOLTAGE CABLES

GAALFLEX® CONTROL (H)07BQ-F

PUR power cable, multi core, 450/750 V



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber compound
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2 green-yellow earth-wire from 3 cores
Stranding:	in layers
Outer sheath:	orange (RAL 2003),PUR

Technical data:

Nominal voltage:	450/750 V
Test voltage:	2,5 kV
Temperature range	
<i>fixed laying:</i>	- 40 °C / + 90 °C
<i>flexible application:</i>	- 40 °C / + 90 °C
Min. bending radius:	4 x d
Insulation resistance:	min. 20 MΩ x km

Features:

Chemical resistant
UV resistant
Abrasion resistant
acc. to standard HD 22.10.S1 and DIN VDE 0282 T10
acc. to HAR HD 22.10.S1 (H07BQ-F)

Applications:

Connecting cable used in hand-held electric tools, for flexible and fixed installation. Suitable in dry, humid or wet rooms. Outdoor use within temperature range, no laying underground

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.®)
31310EG3020M15	2 x 1,5	8,8	28,8	115	16
31310EG2031M15	3 G 1,5	9,3	43,2	135	16
31310EG2041M15	4 G 1,5	10,5	57,6	165	16
31310EG2051M15	5 G 1,5	11,5	72	200	16
31310EG2031M25	3 G 2,5	11,2	72	190	14
31310EG2041M25	4 G 2,5	12,5	96	230	14
31310EG2051M25	5 G 2,5	13,8	120	290	14
31310EG2041M40	4 G 4	14,7	153,6	325	12
31310EG2051M40	5 G 4	16,2	192	400	12
31310EG2041M60	4 G 6	16,4	230,4	350	10
31310EG2051M60	5 G 6	18,1	288	520	10
31310EG2041M61	4 G 10	21,3	384	730	8
31310EG2051M61	5 G 10	23,4	480	900	8
31310EG2041M62	4 G16	24,4	614,4	1020	6
31310EG2051M62	5 G16	27,2	768	1260	6
31310EG2041M63	4G25	29,5	960	1229	4
31310EG2051M63	5G25	35	1200	1535	4
31310EG2041M64	4G35	33,5	1344	1665	2
31310EG2051M64	5G35	39	1680	2103	2
31310EG2041M65	4G50	39,4	1920	2341	1
31310EG2051M65	5G50	47	2400	2955	1
31310EG2041M66	4G70	49	2688	3259	2/0
31310EG2051M66	5G70	53	3360	4001	2/0
31310EG2051M67	5G95	60	4560	5369	3/0

Other dimensions and colours available on request.