

INDUSTRIAL MEDIUM VOLTAGE CABLES



INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HIR



Construction:

Conductor:	stranded red copper conductor Cl.2 acc.to IEC 60228
Insulation:	rubber,type G7
Screen:	red copper tape
Outer sheath:	red (RAL 3000),PVC,type RZ

Resistance:



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

Technical data:

Nominal voltage:	1,8/3 kV, 3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV, 26/45 kV
Test voltage:	1,8/3 kV = 6 kV 8,7/15 kV = 24 kV 3,6/6 kV = 11 kV 12/20 kV = 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min installation temperature:	0 °C
Min. bending radius:	12 x d
Max. tensile stress:	60 N/mm ²

Features:

according to IEC 60502-2

1,8/3 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48010KRL010M61	1x10	14,5	290	8
48010KRL010M62	1x16	15,2	350	6
48010KRL010M63	1x25	16,5	450	4
48010KRL010M64	1x35	17,5	550	2
48010KRL010M65	1x50	18,5	670	1
48010KRL010M66	1x70	20	880	2/0
48010KRL010M67	1x95	22	1100	3/0
48010KRL010M68	1x120	23,3	1400	4/0
48010KRL010M69	1x150	24,7	1650	250 MCM
48010KRL010M70	1x185	26,5	2000	350 MCM
48010KRL010M71	1x240	29	2550	450 MCM
48010KRL010M72	1x300	31,6	3150	550 MCM
48010KRL010M73	1x400	34,6	3950	750 MCM
48010KRL010M74	1x500	38,3	5050	900 MCM
48010KRL010M75	1x630	43,1	6300	1150 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HIR



3,6/6 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48010MRL010M61	1x10	17	330	8
48010MRL010M62	1x16	17,5	410	6
48010MRL010M63	1x25	18,8	510	4
48010MRL010M64	1x35	19,8	630	2
48010MRL010M65	1x50	21,4	750	1
48010MRL010M66	1x70	23,3	1010	2/0
48010MRL010M67	1x95	24,8	1250	3/0
48010MRL010M68	1x120	26,3	1500	4/0
48010MRL010M69	1x150	27,8	1800	250 MCM
48010MRL010M70	1x185	29,5	2100	350 MCM
48010MRL010M71	1x240	32,1	2650	450 MCM
48010MRL010M72	1x300	34,8	3200	550 MCM
48010MRL010M73	1x400	37,8	4000	750 MCM
48010MRL010M74	1x500	41,8	5100	900 MCM
48010MRL010M75	1x630	45,8	6500	1150 MCM

6/10 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48010QRL010M61	1x10	19,9	420	8
48010QRL010M62	1x16	20,4	530	6
48010QRL010M63	1x25	21,8	650	4
48010QRL010M64	1x35	23,3	760	2
48010QRL010M65	1x50	24,8	880	1
48010QRL010M66	1x70	26,3	1100	2/0
48010QRL010M67	1x95	27,8	1400	3/0
48010QRL010M68	1x120	29,3	1630	4/0
48010QRL010M69	1x150	30,8	1900	250 MCM
48010QRL010M70	1x185	32,8	2350	350 MCM
48010QRL010M71	1x240	35,3	2900	450 MCM
48010QRL010M72	1x300	37,8	3500	550 MCM
48010QRL010M73	1x400	40,8	4300	750 MCM
48010QRL010M74	1x500	44,3	5420	900 MCM
48010QRL010M75	1x630	54,8	6850	1150 MCM

8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48010SRL010M62	1x16	23	650	6
48010SRL010M63	1x25	24,3	750	4
48010SRL010M64	1x35	25,3	850	2
48010SRL010M65	1x50	26,3	1000	1
48010SRL010M66	1x70	28,3	1220	2/0
48010SRL010M67	1x95	30,3	1500	3/0
48010SRL010M68	1x120	31,9	1900	4/0
48010SRL010M69	1x150	33,3	2100	250 MCM
48010SRL010M70	1x185	35,3	2500	350 MCM
48010SRL010M71	1x240	38,3	3030	450 MCM
48010SRL010M72	1x300	40,3	3800	550 MCM
48010SRL010M73	1x400	43,3	4600	750 MCM
48010SRL010M74	1x500	47,3	5700	900 MCM
48010SRL010M75	1x630	52,3	7100	1150 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HIR



12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010URL010M64	1x35	27,3	960	2
48010URL010M65	1x50	28,5	1100	1
48010URL010M66	1x70	30,4	1350	2/0
48010URL010M67	1x95	32,4	1650	3/0
48010URL010M68	1x120	33,9	1950	4/0
48010URL010M69	1x150	35,2	2300	250 MCM
48010URL010M70	1x185	37	2600	350 MCM
48010URL010M71	1x240	39,5	3200	450 MCM
48010URL010M72	1x300	42	3900	550 MCM
48010URL010M73	1x400	45,3	4800	750 MCM
48010URL010M74	1x500	49	5900	900 MCM
48010URL010M75	1x630	53,7	7300	1150 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010XRL010M65	1x50	35,9	1400	1
48010XRL010M66	1x70	36,1	1700	2/0
48010XRL010M67	1x95	37,8	1950	3/0
48010XRL010M68	1x120	39,1	2230	4/0
48010XRL010M69	1x150	40,7	2550	250 MCM
48010XRL010M70	1x185	42,6	3000	350 MCM
48010XRL010M71	1x240	45,3	3600	450 MCM
48010XRL010M72	1x300	47,8	4300	550 MCM
48010XRL010M73	1x400	51,2	5200	750 MCM
48010XRL010M74	1x500	55	6300	900 MCM
48010XRL010M75	1x630	61,9	7800	1150 MCM

26/45 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010ZRL010M66	1x70	43	2150	2/0
48010ZRL010M67	1x95	44	2490	3/0
48010ZRL010M68	1x120	45,6	2735	4/0
48010ZRL010M69	1x150	46	3020	250 MCM
48010ZRL010M70	1x185	47	3395	350 MCM
48010ZRL010M71	1x240	49,5	4025	450 MCM
48010ZRL010M72	1x300	53	4725	550 MCM
48010ZRL010M73	1x400	56	5635	750 MCM
48010ZRL010M74	1x500	59	6825	900 MCM
48010ZRL010M75	1x630	64	8260	1150 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

RG7HI(O)R



ELETTROTEK KABEL® RG7H10R

Construction:

Conductor:	stranded red copper conductor Cl. 2, acc. to IEC 60228
Insulation:	rubber, type G7
Screen:	red copper tape
Inner sheath:	not hygroscopic filler
Outer sheath:	red (RAL 3000), PVC, type RZ

Resistance:



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

Technical data:

Nominal voltage:	1,8/3 kV, 3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV, 26/45 kV
Test voltage:	1,8/3 kV = 6 kV 8,7/15 kV = 24 kV 3,6/6 kV = 11 kV 12/20 kV = 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min installation temperature:	0 °C
Min. bending radius:	12 x d
Max. tensile stress:	60 N/mm ²

Features:

according to IEC 60502-2

1,8/3 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010KR1030M61	3x10	27,2	904	8
48010KR1030M62	3x16	29,5	1155	6
48010KR1030M63	3x25	32,5	1575	4
48010KR1030M64	3x35	34,5	1952	2
48010KR1030M65	3x50	37,2	2332	1
48010KR1030M66	3x70	41,4	3150	2/0
48010KR1030M67	3x95	45	4024	3/0
48010KR1030M68	3x120	48,7	4918	4/0
48010KR1030M69	3x150	52,2	5791	250 MCM
48010KR1030M70	3x185	56,5	7086	350 MCM
48010KR1030M71	3x240	62	8975	450 MCM
48010KR1030M72	3x300	67,3	11069	550 MCM
48010KR1030M73	3x400	74,2	13756	750 MCM

3,6/6 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010MR1030M61	3x10	31,8	1287	8
48010MR1030M62	3x16	34,4	1530	6
48010MR1030M63	3x25	37,4	1980	4
48010MR1030M64	3x35	39,7	2406	2
48010MR1030M65	3x50	42,8	2896	1
48010MR1030M66	3x70	46,3	3663	2/0
48010MR1030M67	3x95	50	4653	3/0
48010MR1030M68	3x120	54,2	5544	4/0
48010MR1030M69	3x150	57,3	6435	250 MCM
48010MR1030M70	3x185	61,5	7821	350 MCM
48010MR1030M71	3x240	66,8	9900	450 MCM
48010MR1030M72	3x300	72,9	12375	550 MCM
48010MR1030M73	3x400	78,2	15420	750 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HI(O)R



ELETTROTEK KABEL® RG7H10R

6/10 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010QR1030M61	3x10	36,9	1791	8
48010QR1030M62	3x16	39	2070	6
48010QR1030M63	3x25	42	2497	4
48010QR1030M64	3x35	44	2945	2
48010QR1030M65	3x50	47	3463	1
48010QR1030M66	3x70	51	4378	2/0
48010QR1030M67	3x95	55	5403	3/0
48010QR1030M68	3x120	57,1	6358	4/0
48010QR1030M69	3x150	62	7413	250 MCM
48010QR1030M70	3x185	66	8806	350 MCM
48010QR1030M71	3x240	72,1	10935	450 MCM
48010QR1030M72	3x300	77,8	13293	550 MCM
48010QR1030M73	3x400	85	16000	750 MCM

8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010SR1030M62	3x16	45,5	2567	6
48010SR1030M63	3x25	48	3025	4
48010SR1030M64	3x35	51,2	3512	2
48010SR1030M65	3x50	53,5	4109	1
48010SR1030M66	3x70	58	5035	2/0
48010SR1030M67	3x95	61,5	6119	3/0
48010SR1030M68	3x120	65	7094	4/0
48010SR1030M69	3x150	68,2	8199	250 MCM
48010SR1030M70	3x185	72,5	9652	350 MCM
48010SR1030M71	3x240	78,2	11860	450 MCM
48010SR1030M72	3x300	78,6	14185	550 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010UR1030M64	3x35	57,6	4050	2
48010UR1030M65	3x50	60,1	4637	1
48010UR1030M66	3x70	64,5	5652	2/0
48010UR1030M67	3x95	69,5	6786	3/0
48010UR1030M68	3x120	74,8	7791	4/0
48010UR1030M69	3x150	75	8925	250 MCM
48010UR1030M70	3x185	80,3	10428	350 MCM
48010UR1030M71	3x240	84	12627	450 MCM
48010UR1030M72	3x300	91,5	15094	550 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48010XR1030M65	3x50	72	6420	1
48010XR1030M66	3x70	75,9	7500	2/0
48010XR1030M67	3x95	80,1	8740	3/0
48010XR1030M68	3x120	83,2	9840	4/0
48010XR1030M69	3x150	86,9	11070	250 MCM
48010XR1030M70	3x185	91	12730	350 MCM
48010XR1030M71	3x240	96,3	15060	450 MCM

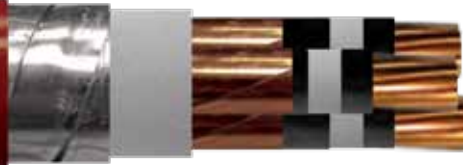
* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

RG7HI(O)NR



ELETTROTEK KABEL® RG7H10NR



Construction:

Conductor:	stranded red copper conductor Cl. 2, acc. to IEC 60228
Insulation:	rubber, type G7
Screen:	red copper tape
Inner sheath:	not hygroscopic filler
Armour:	steel tape
Outer sheath:	red (RAL 3000), PVC, type RZ

Resistance:



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

Technical data:

Nominal voltage:	1,8/3 kV, 3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV, 26/45 kV
Test voltage:	1,8/3 kV = 6 kV 8,7/15 kV = 24 kV 3,6/6 kV = 11 kV 12/20 kV = 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min installation temperature:	0 °C
Min. bending radius:	16 x d
Max. tensile stress:	60 N/mm ²

Features:

according to IEC 60502-2

1,8/3 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48020KR1030M61	3x10	30,5	1343	8
48020KR1030M62	3x16	32,5	1642	6
48020KR1030M63	3x25	35,5	1990	4
48020KR1030M64	3x35	37,5	2388	2
48020KR1030M65	3x50	40,5	2985	1
48020KR1030M66	3x70	44,5	3861	2/0
48020KR1030M67	3x95	48	4876	3/0
48020KR1030M68	3x120	52	5871	4/0
48020KR1030M69	3x150	55,5	6915	250 MCM
48020KR1030M70	3x185	59,5	8278	350 MCM
48020KR1030M71	3x240	65	10393	450 MCM
48020KR1030M72	3x300	70,5	13154	550 MCM
48020KR1030M73	3x400	77,5	15821	750 MCM

3,6/6 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48020MR1030M61	3x10	36	1525	8
48020MR1030M62	3x16	37,5	1812	6
48020MR1030M63	3x25	40,5	2267	4
48020MR1030M64	3x35	43	2723	2
48020MR1030M65	3x50	46	3544	1
48020MR1030M66	3x70	49,5	4455	2/0
48020MR1030M67	3x95	53,5	4554	3/0
48020MR1030M68	3x120	57,5	6336	4/0
48020MR1030M69	3x150	60,5	7623	250 MCM
48020MR1030M70	3x185	64,5	9009	350 MCM
48020MR1030M71	3x240	70	11187	450 MCM
48020MR1030M72	3x300	76	13662	550 MCM
48020MR1030M73	3x400	82,5	16731	750 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HI(O)NR



ELETTROTEK KABEL® RG7HI0NR

6/10 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
4802QR1030M61	3x10	39,5	2607	8
4802QR1030M62	3x16	41,5	2965	6
4802QR1030M63	3x25	44,3	3453	4
4802QR1030M64	3x35	47,5	4040	2
4802QR1030M65	3x50	50	4617	1
4802QR1030M66	3x70	54,5	5622	2/0
4802QR1030M67	3x95	58,5	6746	3/0
4802QR1030M68	3x120	62	7831	4/0
4802QR1030M69	3x150	65,5	8965	250 MCM
4802QR1030M70	3x185	69	10408	350 MCM
4802QR1030M71	3x240	75,5	12756	450 MCM
4802QR1030M72	3x300	81,5	15258	550 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
4802UR1030M64	3x35	58,3	5393	2
4802UR1030M65	3x50	61	6099	1
4802UR1030M66	3x70	65,5	7214	2/0
4802UR1030M67	3x95	69,5	8448	3/0
4802UR1030M68	3x120	73	9602	4/0
4802UR1030M69	3x150	76,5	10826	250 MCM
4802UR1030M70	3x185	80,5	12338	350 MCM
4802UR1030M71	3x240	86,8	14510	450 MCM
4802UR1030M72	3x300	93,5	17300	550 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
4802XR1030M65	3x50	76	8210	1
4802XR1030M66	3x70	78	9460	2/0
4802XR1030M67	3x95	81	10810	3/0
4802XR1030M68	3x120	84,5	12080	4/0
4802XR1030M69	3x150	89	13420	250 MCM
4802XR1030M70	3x185	93	15070	350 MCM
4802XR1030M71	3x240	98	17550	450 MCM

26/45 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
4802ZR1030M66	3x70	33,3	9157	2/0
4802ZR1030M67	3x95	35	10500	3/0
4802ZR1030M68	3x120	37	11980	4/0
4802ZR1030M69	3x150	37	12450	250 MCM
4802ZR1030M70	3x185	39	13990	350 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

ARG7HIE

Single-core, overall copper wires and tape screen 12/20 kV up to 18/30 kV



Construction:

Conductor:	stranded plain aluminium conductor Cl.2, acc. to IEC 60228
Insulation:	special EPR type DIH2
Inner semi-conductive layer:	extruded compound
Outer semi-conductive layer:	strippable cold extruded compound
Screen:	red copper wires and one or two copper tape(s) applied helically
Outer sheath:	red(RAL 3000),PE type DMZ1

Resistance:



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

Technical data:

Nominal voltage:	12/20 kV up to 18/30 kV
Test voltage:	12/20 kV = 29 kV 18/30 kV = 43 kV
Temperature range:	- 25 °C / + 105 °C
Max short circuit temperature:	+ 300 °C
Min. bending radius:	13 x d
Max. tensile stress:	60 N/mm ²

Features:

according to IEC 60502-2

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48040URL010M63	1 x 35	26,1	570	2
48040URL010M64	1 x 50	26,9	620	1
48040URL010M65	1 x 70	28,1	700	2/0
48040URL010M66	1 x 95	29,6	800	3/0
48040URL010M67	1 x 120	31,2	910	4/0
48040URL010M68	1 x 150	32,7	1030	250 MCM
48040URL010M69	1 x 185	35	1210	350 MCM
48040URL010M70	1 x 240	37,5	1430	450 MCM
48040URL010M71	1 x 300	41,4	1730	550 MCM
48040URL010M72	1 x 400	44,6	2090	750 MCM
48040URL010M73	1 x 500	47,1	2520	1000 MCM
48040URL010M75	1 x 630	51,8	3080	1250 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48040XRL010M64	1 x 50	34,5	990	1
48040XRL010M65	1 x 70	34,8	1040	2/0
48040XRL010M66	1 x 95	35,8	1120	3/0
48040XRL010M67	1 x 120	36,7	1220	4/0
48040XRL010M68	1 x 150	37,6	1310	250 MCM
48040XRL010M69	1 x 185	39,1	1450	350 MCM
48040XRL010M70	1 x 240	41,8	1710	450 MCM
48040XRL010M71	1 x 300	45,3	2030	550 MCM
48040XRL010M72	1 x 400	48,9	2420	750 MCM
48040XRL010M73	1 x 500	53,4	2960	1000 MCM
48040XRL010M75	1 x 630	58,2	3560	1250 MCM

Other dimension and colors available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

ARG7H1EX

Three-cores, overall copper wires and tape screen 12/20 kV up to 18/30 kV



Construction:

Conductor:	stranded plain aluminium conductor Cl.2, acc. to IEC 60228
Insulation:	special EPR type DIH2
Inner semi-conductive layer:	extruded compound
Outer semi-conductive layer:	strippable cold extruded compound
Screen:	red copper wires and one or two copper tape(s) applied helically.
Outer sheath:	red(RAL 3000),PE type DMZ1

Resistance:



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

Technical data:

Nominal voltage:	12/20 kV up to 18/30 kV
Test voltage:	12/20 kV = 29 kV 18/30 kV = 43 kV
Temperature range:	- 25 °C / + 105 °C
Max short circuit temperature:	+ 300 °C
Min. bending radius:	13 x d
Max. tensile stress:	60 N/mm ²

Features:

according to IEC 60502-2

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48050URL030M63	3 x 1 x 35	52,2	5100	2
48050URL030M64	3 x 1 x 50	53,8	5580	1
48050URL030M65	3 x 1 x 70	56,2	6300	2/0
48050URL030M66	3 x 1 x 95	59,2	7260	3/0
48050URL030M67	3 x 1 x 120	62,4	8250	4/0
48050URL030M68	3 x 1 x 150	65,4	9330	250 MCM
48050URL030M69	3 x 1 x 185	70	10920	350 MCM
48050URL030M70	3 x 1 x 240	75	12930	450 MCM
48050URL030M71	3 x 1 x 300	82,8	15600	550 MCM
48050URL030M72	3 x 1 x 400	89,2	18900	750 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48050XRL030M64	3 x 1 x 50	69	8940	1
48050XRL030M65	3 x 1 x 70	69,6	9360	2/0
48050XRL030M66	3 x 1 x 95	71,6	10140	3/0
48050XRL030M67	3 x 1 x 120	73,4	10980	4/0
48050XRL030M68	3 x 1 x 150	75,2	11820	250 MCM
48050XRL030M69	3 x 1 x 185	78,2	13110	350 MCM
48050XRL030M70	3 x 1 x 240	83,6	15390	450 MCM
48050XRL030M71	3 x 1 x 300	90,6	18300	550 MCM
48050XRL030M72	3 x 1 x 400	97,8	21840	550 MCM

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HIM1



ELETTROTEK KABEL® RG7H1M1

Construction:

Conductor:	stranded red copper conductor Cl. 2, acc to IEC 60228
Insulation:	rubber,type G7
Screen:	red copper wires and one or two copper tape(s) applied helically
Outer sheath:	red (RAL 3000),thermoplastic polyolefine,halogen-free, type M1

Technical data:

Nominal voltage:	1,8/3 kV, 3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV, 26/45 kV
Test voltage:	1,8/3 kV = 6 kV 8,7/15 kV = 24 kV 3,6/6 kV = 11 kV 12/20 kV= 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV
Temperature range:	- 5 °C / + 105 °C
Max short circuit temperature:	+ 250 °C

Resistance:



Flame retardant acc to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-3-24 CEI 20-22 III



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)

Features:

according to IEC 60502-2

Acc. to normatives DIN VDE and IEC standards.

1,8/3 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48060KRL010M61	1x10	14	290	8
48060KRL010M62	1x16	15	350	6
48060KRL010M63	1x25	16	450	4
48060KRL010M64	1x35	17	550	2
48060KRL010M65	1x50	18,5	670	1
48060KRL010M66	1x70	20,5	880	2/0
48060KRL010M67	1x95	22	1100	3/0
48060KRL010M68	1x120	24,5	1400	4/0
48060KRL010M69	1x150	26	1650	250 MCM
48060KRL010M70	1x185	27,5	2000	350 MCM
48060KRL010M71	1x240	30	2550	450 MCM
48060KRL010M72	1x300	32,5	3150	550 MCM
48060KRL010M73	1x400	35,5	3950	750 MCM
48060KRL010M74	1x500	40	5050	900 MCM
48060KRL010M75	1x630	44	6300	1150 MCM

3,6/6 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48060MRL010M61	1x10	16	330	8
48060MRL010M62	1x16	17	410	6
48060MRL010M63	1x25	18,5	510	4
48060MRL010M64	1x35	20	630	2
48060MRL010M65	1x50	21,5	750	1
48060MRL010M66	1x70	23,5	1010	2/0
48060MRL010M67	1x95	25	1250	3/0
48060MRL010M68	1x120	26,5	1500	4/0
48060MRL010M69	1x150	28	1800	250 MCM
48060MRL010M70	1x185	30	2100	350 MCM
48060MRL010M71	1x240	32,5	2650	450 MCM
48060MRL010M72	1x300	35,3	3200	550 MCM
48060MRL010M73	1x400	37,5	4000	750 MCM
48060MRL010M74	1x500	41,6	5100	900 MCM
48060MRL010M75	1x630	46	6500	1150 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7H1M1



6/10 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48060QRL010M61	1x10	19,5	420	8
48060QRL010M62	1x16	21	530	6
48060QRL010M63	1x25	22,2	650	4
48060QRL010M64	1x35	23	760	2
48060QRL010M65	1x50	24,5	880	1
48060QRL010M66	1x70	26,5	1100	2/0
48060QRL010M67	1x95	28	1400	3/0
48060QRL010M68	1x120	29,3	1630	4/0
48060QRL010M69	1x150	31	1900	250 MCM
48060QRL010M70	1x185	33,3	2350	350 MCM
48060QRL010M71	1x240	35,6	2900	450 MCM
48060QRL010M72	1x300	38,5	3500	550 MCM
48060QRL010M73	1x400	41	4300	750 MCM
48060QRL010M74	1x500	45	5420	900 MCM
48060QRL010M75	1x630	48	6850	1150 MCM

8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48060SRL010M62	1x16	23,3	650	6
48060SRL010M63	1x25	24,5	750	4
48060SRL010M64	1x35	25,8	850	2
48060SRL010M65	1x50	27	1000	1
48060SRL010M66	1x70	28,5	1220	2/0
48060SRL010M67	1x95	30,1	1500	3/0
48060SRL010M68	1x120	32,5	1900	4/0
48060SRL010M69	1x150	33,5	2100	250 MCM
48060SRL010M70	1x185	35,5	2500	350 MCM
48060SRL010M71	1x240	38	3030	450 MCM
48060SRL010M72	1x300	41,5	3800	550 MCM
48060SRL010M73	1x400	43,3	4600	750 MCM
48060SRL010M74	1x500	47,4	5700	900 MCM
48060SRL010M75	1x630	52,6	7100	1150 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48060URL010M64	1x35	27,7	960	2
48060URL010M65	1x50	29	1100	1
48060URL010M66	1x70	30,5	1350	2/0
48060URL010M67	1x95	33	1650	3/0
48060URL010M68	1x120	34,8	1950	4/0
48060URL010M69	1x150	36,2	2300	250 MCM
48060URL010M70	1x185	37,6	2600	350 MCM
48060URL010M71	1x240	40,2	3200	450 MCM
48060URL010M72	1x300	43	3900	550 MCM
48060URL010M73	1x400	45,8	4800	750 MCM
48060URL010M74	1x500	50	5900	900 MCM
48060URL010M75	1x630	54	7300	1150 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7H1M1



ELETTROTEK KABEL® RG7H1M1

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48060XRL010M65	1x50	34,1	1400	1
48060XRL010M66	1x70	36,2	1700	2/0
48060XRL010M67	1x95	38,2	1950	3/0
48060XRL010M68	1x120	40	2230	4/0
48060XRL010M69	1x150	41	2550	250 MCM
48060XRL010M70	1x185	43	3000	350 MCM
48060XRL010M71	1x240	45	3600	450 MCM
48060XRL010M72	1x300	47	4300	550 MCM
48060XRL010M73	1x400	51,1	5200	750 MCM
48060XRL010M74	1x500	53	6300	900 MCM
48060XRL010M75	1x630	60,2	7800	1150 MCM

26/45 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48060ZRL010M66	1x70	41,9	2150	2/0
48060ZRL010M67	1x95	43,8	2490	3/0
48060ZRL010M68	1x120	44,8	2735	4/0
48060ZRL010M69	1x150	45,1	3020	250 MCM
48060ZRL010M70	1x185	47,1	3395	350 MCM
48060ZRL010M71	1x240	49,2	4025	450 MCM
48060ZRL010M72	1x300	52,2	4725	550 MCM
48060ZRL010M73	1x400	54,8	5635	750 MCM
48060ZRL010M74	1x500	58,6	6825	900 MCM
48060ZRL010M75	1x630	62,7	8260	1150 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HI(O)M1



ELETTROTEK KABEL® RG7H10M1

Construction:

Conductor:	stranded red copper conductor Cl. 2, acc. to IEC 60228
Insulation:	rubber, type G7
Screen:	red copper tape
Inner sheath:	halogen free compound, type M1, colour natural
Outer sheath:	thermoplastic polyolefine, halogen-free, type M1

Technical data:

Nominal voltage:	1,8/3 kV, 3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV, 26/45 kV
Test voltage:	1,8/3 kV = 6 kV 8,7/15 kV = 24 kV 3,6/6 kV = 11 kV 12/20 kV = 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV
Temperature range:	- 5 °C / + 105 °C
Max short circuit temperature:	+ 250 °C

Resistance:



Flame retardant acc to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-3-24 CEI 20-22 III



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)

Features:

according to IEC 60502-2

1,8/3 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48060KR1030M61	3x10	27,2	904	8
48060KR1030M62	3x16	29,5	1155	6
48060KR1030M63	3x25	32,5	1575	4
48060KR1030M64	3x35	34,5	1952	2
48060KR1030M65	3x50	37,2	2332	1
48060KR1030M66	3x70	41,4	3150	2/0
48060KR1030M67	3x95	45	4024	3/0
48060KR1030M68	3x120	48,7	4918	4/0
48060KR1030M69	3x150	52,2	5791	250 MCM
48060KR1030M70	3x185	56,5	7086	350 MCM
48060KR1030M71	3x240	62	8975	450 MCM
48060KR1030M72	3x300	67,3	11069	550 MCM
48060KR1030M73	3x400	74,2	13756	750 MCM

3,6/6 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48060MR1030M61	3x10	31,8	1287	8
48060MR1030M62	3x16	34,4	1530	6
48060MR1030M63	3x25	37,4	1980	4
48060MR1030M64	3x35	39,7	2406	2
48060MR1030M65	3x50	42,8	2896	1
48060MR1030M66	3x70	46,3	3663	2/0
48060MR1030M67	3x95	50	4653	3/0
48060MR1030M68	3x120	54,2	5544	4/0
48060MR1030M69	3x150	57,3	6435	250 MCM
48060MR1030M70	3x185	61,5	7821	350 MCM
48060MR1030M71	3x240	66,8	9900	450 MCM
48060MR1030M72	3x300	72,9	12375	550 MCM
48060MR1030M73	3x400	78,2	15420	750 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HI(O)MI



ELETTROTEK KABEL® RG7H10M1



6/10 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48060QR1030M61	3x10	36,9	1791	8
48060QR1030M62	3x16	39	2070	6
48060QR1030M63	3x25	42	2497	4
48060QR1030M64	3x35	44	2945	2
48060QR1030M65	3x50	47	3463	1
48060QR1030M66	3x70	51	4378	2/0
48060QR1030M67	3x95	55	5403	3/0
48060QR1030M68	3x120	57,1	6358	4/0
48060QR1030M69	3x150	62	7413	250 MCM
48060QR1030M70	3x185	66	8806	350 MCM
48060QR1030M71	3x240	72,1	10935	450 MCM
48060QR1030M72	3x300	77,8	13293	550 MCM
48060QR1030M73	3x400	85	16000	750 MCM

8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48060SR1030M62	3x16	45,5	2567	6
48060SR1030M63	3x25	48	3025	4
48060SR1030M64	3x35	51,2	3512	2
48060SR1030M65	3x50	53,5	4109	1
48060SR1030M66	3x70	58	5035	2/0
48060SR1030M67	3x95	61,5	6119	3/0
48060SR1030M68	3x120	65	7094	4/0
48060SR1030M69	3x150	68,2	8199	250 MCM
48060SR1030M70	3x185	72,5	9652	350 MCM
48060SR1030M71	3x240	78,2	11860	450 MCM
48060SR1030M72	3x300	78,6	14185	550 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48060UR1030M64	3x35	57,6	4050	2
48060UR1030M65	3x50	60,1	4637	1
48060UR1030M66	3x70	64,5	5652	2/0
48060UR1030M67	3x95	69,5	6786	3/0
48060UR1030M68	3x120	74,8	7791	4/0
48060UR1030M69	3x150	75	8925	250 MCM
48060UR1030M70	3x185	80,3	10428	350 MCM
48060UR1030M71	3x240	84	12627	450 MCM
48060UR1030M72	3x300	91,5	15094	550 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48060XR1030M65	3x50	72	6420	1
48060XR1030M66	3x70	75,9	7500	2/0
48060XR1030M67	3x95	80,1	8740	3/0
48060XR1030M68	3x120	83,2	9840	4/0
48060XR1030M69	3x150	86,9	11070	250 MCM
48060XR1030M70	3x185	91	12730	350 MCM
48060XR1030M71	3x240	96,3	15060	450 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HI(O)NMI



ELETTROTEK KABEL® RG7H10NM1

Construction:

Conductor:	stranded red copper conductor Cl. 2, acc. to IEC 60228
Insulation:	rubber, type G7
Screen:	red copper tape
Inner sheath:	halogen free compound, type M1, colour natural
Armour:	steel tape
Outer sheath:	red (RAL 3000), thermoplastic polyolefine, halogen-free, type M1

Technical data:

Nominal voltage:	1,8/3 kV, 3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV, 26/45 kV
Test voltage:	1,8/3 kV = 6 kV 8,7/15 kV = 24 kV 3,6/6 kV = 11 kV 12/20 kV = 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV
Temperature range:	- 15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min installation temperature:	0 °C

1,8/3 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. (*)
48070KR1030M61	3x10	30,5	1343	8
48070KR1030M62	3x16	32,5	1642	6
48070KR1030M63	3x25	35,5	1990	4
48070KR1030M64	3x35	37,5	2388	2
48070KR1030M65	3x50	40,5	2985	1
48070KR1030M66	3x70	44,5	3861	2/0
48070KR1030M67	3x95	48	4876	3/0
48070KR1030M68	3x120	52	5871	4/0
48070KR1030M69	3x150	55,5	6915	250 MCM
48070KR1030M70	3x185	59,5	8278	350 MCM
48070KR1030M71	3x240	65	10393	450 MCM
48070KR1030M72	3x300	70,5	13154	550 MCM
48070KR1030M73	3x400	77,5	15821	750 MCM

3,6/6 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. (*)
48070MR1030M61	3x10	36	1525	8
48070MR1030M62	3x16	37,5	1812	6
48070MR1030M63	3x25	40,5	2267	4
48070MR1030M64	3x35	43	2723	2
48070MR1030M65	3x50	46	3544	1
48070MR1030M66	3x70	49,5	4455	2/0
48070MR1030M67	3x95	53,5	4554	3/0
48070MR1030M68	3x120	57,5	6336	4/0
48070MR1030M69	3x150	60,5	7623	250 MCM
48070MR1030M70	3x185	64,5	9009	350 MCM
48070MR1030M71	3x240	70	11187	450 MCM
48070MR1030M72	3x300	76	13662	550 MCM
48070MR1030M73	3x400	82,5	16731	750 MCM

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-3-24 CEI 20-22 III



Halogen free acc. to:
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)

Features:

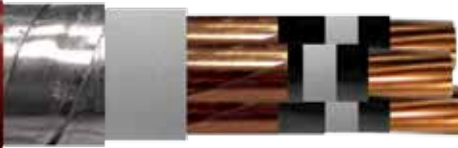
according to IEC 60502-2

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7HI(O)NMI



ELETTROTEK KABEL® RG7H10NM1



6/10 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48070QR1030M61	3x10	39,5	2607	8
48070QR1030M62	3x16	41,5	2965	6
48070QR1030M63	3x25	44,3	3453	4
48070QR1030M64	3x35	47,5	4040	2
48070QR1030M65	3x50	50	4617	1
48070QR1030M66	3x70	54,5	5622	2/0
48070QR1030M67	3x95	58,5	6746	3/0
48070QR1030M68	3x120	62	7831	4/0
48070QR1030M69	3x150	65,5	8965	250 MCM
48070QR1030M70	3x185	69	10408	350 MCM
48070QR1030M71	3x240	75,5	12756	450 MCM
48070QR1030M72	3x300	81,5	15258	550 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48070UR1030M64	3x35	58,3	5393	2
48070UR1030M65	3x50	61	6099	1
48070UR1030M66	3x70	65,5	7214	2/0
48070UR1030M67	3x95	69,5	8448	3/0
48070UR1030M68	3x120	73	9602	4/0
48070UR1030M69	3x150	76,5	10826	250 MCM
48070UR1030M70	3x185	80,5	12338	350 MCM
48070UR1030M71	3x240	86,8	14510	450 MCM
48070UR1030M72	3x300	93,5	17300	550 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48070XR1030M65	3x50	76	8210	1
48070XR1030M66	3x70	78	9460	2/0
48070XR1030M67	3x95	81	10810	3/0
48070XR1030M68	3x120	84,5	12080	4/0
48070XR1030M69	3x150	89	13420	250 MCM
48070XR1030M70	3x185	93	15070	350 MCM
48070XR1030M71	3x240	98	17550	450 MCM

26/45 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48070ZR1030M66	3x70	33,3	9157	2/0
48070ZR1030M67	3x95	35	10500	3/0
48070ZR1030M68	3x120	37	11980	4/0
48070ZR1030M69	3x150	37	12450	250 MCM
48070ZR1030M70	3x185	39	13990	350 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RG7H1O(GS)M1

Three-cores, copper tape screen, GAALSHOCK inner sheath, 12/20 kV up to 18/30 kV



ELETTROTEK KABEL® RG7H1O(GS)M1

Construction:

Conductor:	stranded red copper conductor Cl.2, acc. to IEC 60228
Insulation:	rubber type G7
Inner semi-conductive layer:	extruded compound
Outer semi-conductive layer:	strippable cold extruded compound
Screen:	red copper tape
Inner sheath:	non-hygroscopic compound
Armour:	GAAL THERM® 600 (GAALSHOCK technology)
Outer sheath:	red (RAL 3000), thermoplastic polyolefine, halogen-free, type M1

Resistance:



Self-extinguishing and Flame retardant acc to:
DIN VDE 0482 part 266-2-4
EN 50266-2-4
IEC 60332-3C



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



Corrosiveness of conflagration gases acc. to:
IEC 60754-2
DIN EN 50267-2-2,



Smoke density acc. to:
IEC 61034
EN 61034, CEI 20-38

Technical data:

Nominal voltage:	12/20 kV up to 18/30 kV
Test voltage:	29 kV 43 kV
Temperature range:	- 25 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	12 x d

Features:

according to IEC 60502-2

GAALSHOCK PROTECTION:

- 1: Excellent mechanical protection than steel
- 2: Reduced weight
- 3: Installation, storage and transport reduced costs

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48090UR1030M64	3 x 35	58,6	4160	2
48090UR1030M65	3 x 50	61,2	4750	1
48090UR1030M66	3 x 70	63,1	5600	2/0
48090UR1030M67	3 x 95	70,1	6880	3/0
48090UR1030M68	3 x 120	73,6	7940	4/0
48090UR1030M69	3 x 150	76,8	9050	250 MCM
48090UR1030M70	3 x 185	80,8	10520	350 MCM
48090UR1030M71	3 x 240	86,4	12760	450 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48090XR1030M65	3 x 50	74,2	6450	1
48090XR1030M66	3 x 70	78,3	7520	2/0
48090XR1030M67	3 x 95	82	8740	3/0
48090XR1030M68	3 x 120	85,7	9890	4/0
48090XR1030M69	3 x 150	88,9	11080	250 MCM
48090XR1030M70	3 x 185	92,6	12600	350 MCM
48090XR1030M71	3 x 240	98,4	15020	450 MCM

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4HIR (XLPE/CTS/PVC)



Construction:

- Conductor:** stranded red copper conductor Cl.2 acc.to IEC 60228
- Insulation:** XLPE compound
- Screen:** red copper wires and one or two copper tape(s) applied helically
- Outer sheath:** red (RAL 3000),PVC,type ST2

Resistance:



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

Technical data:

- Nominal voltage:** 3,6/6 kV, 6/10 kV
8,7/15 kV, 12/20 kV
18/30 kV, 26/45 kV
- Test voltage:** 3,6/6 kV = 11 kV 12/20 kV= 29 kV
6/10 kV = 17 kV 18/30 kV = 45 kV
8,7/15 kV = 24 kV
- Temperature range:** - 15 °C / + 90 °C
- Max short circuit temperature:** + 250 °C
- Min installation temperature:** 0 °C
- Min. bending radius:** 12 x d
- Max. tensile stress:** 60 N/mm²

Features:

according to IEC 60502-2

3,6/6 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48100MRL010M64	1x35	18	620	2
48100MRL010M65	1x50	19,2	750	1
48100MRL010M66	1x70	20,7	970	2/0
48100MRL010M67	1x95	22,4	1240	3/0
48100MRL010M68	1x120	23,9	1470	4/0
48100MRL010M69	1x150	25,3	1780	250 MCM
48100MRL010M70	1x185	6,8	2130	350 MCM
48100MRL010M71	1x240	29,8	2730	450 MCM
48100MRL010M72	1x300	32,9	3390	550 MCM
48100MRL010M73	1x400	35,9	4260	750 MCM
48100MRL010M74	1x500	39,7	5390	900 MCM
48100MRL010M75	1x630	44,3	6880	1150 MCM

6/10 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48100QRL010M64	1x35	19,8	680	2
48100QRL010M65	1x50	21	810	1
48100QRL010M66	1x70	22,5	1040	2/0
48100QRL010M67	1x95	24,2	1320	3/0
48100QRL010M68	1x120	25,5	1570	4/0
48100QRL010M69	1x150	27	1850	250 MCM
48100QRL010M70	1x185	28,8	2230	350 MCM
48100QRL010M71	1x240	31,6	2830	450 MCM
48100QRL010M72	1x300	34	3460	550 MCM
48100QRL010M73	1x400	36,5	4310	750 MCM
48100QRL010M74	1x500	40	5420	900 MCM
48100QRL010M75	1x630	44,5	6910	1150 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4HIR (XLPE/CTS/PVC)



8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48100SRL010M64	1x35	22	760	2
48100SRL010M65	1x50	23	900	1
48100SRL010M66	1x70	24,5	1130	2/0
48100SRL010M67	1x95	26,5	1410	3/0
48100SRL010M68	1x120	28	1690	4/0
48100SRL010M69	1x150	29,5	1970	250 MCM
48100SRL010M70	1x185	31	2360	350 MCM
48100SRL010M71	1x240	34	2950	450 MCM
48100SRL010M72	1x300	36,5	3610	550 MCM
48100SRL010M73	1x400	39	4470	750 MCM
48100SRL010M74	1x500	42,5	5590	900 MCM
48100SRL010M75	1x630	47	7100	1150 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48100URL010M64	1x35	24	840	2
48100URL010M65	1x50	25,2	980	1
48100URL010M66	1x70	26,5	1130	2/0
48100URL010M67	1x95	28,5	1520	3/0
48100URL010M68	1x120	30	1790	4/0
48100URL010M69	1x150	31,5	2090	250 MCM
48100URL010M70	1x185	33,2	2460	350 MCM
48100URL010M71	1x240	36	3080	450 MCM
48100URL010M72	1x300	38,5	3750	550 MCM
48100URL010M73	1x400	41,3	4620	750 MCM
48100URL010M74	1x500	44,5	5760	900 MCM
48100URL010M75	1x630	49,3	7280	1150 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48100XRL010M65	1x50	30,3	1230	1
48100XRL010M66	1x70	32	1500	2/0
48100XRL010M67	1x95	34	1820	3/0
48100XRL010M68	1x120	35,5	2100	4/0
48100XRL010M69	1x150	37	2390	250 MCM
48100XRL010M70	1x185	38,5	2800	350 MCM
48100XRL010M71	1x240	41,5	3450	450 MCM
48100XRL010M72	1x300	44	4120	550 MCM
48100XRL010M73	1x400	46,5	5030	750 MCM
48100XRL010M74	1x500	50	6170	900 MCM
48100XRL010M75	1x630	55	7760	1150 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4HI(O)R (XLPE/CTS/PVC)



ELETTROTEK KABEL® RE4H1OR

Construction:

Conductor:	stranded red copper conductor Cl.2 acc.to IEC 60228
Insulation:	XLPE compound
Screen:	red copper tape
Inner sheath:	not hygroscopic filler
Outer sheath:	red (RAL 3000),PVC,type RZ

Resistance:



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

Technical data:

Nominal voltage:	3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV
Test voltage:	3,6/6 kV = 11 kV 12/20 kV = 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV 8,7/15 kV = 24 kV
Temperature range:	0 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	14 x d

Features:

according to IEC 60502-2

3,6/6 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48100KR1030M64	3x35	37	2430	2
48100KR1030M65	3x50	40	2950	1
48100KR1030M66	3x70	43,2	3750	2/0
48100KR1030M67	3x95	47,3	4790	3/0
48100KR1030M68	3x120	51	5750	4/0
48100KR1030M69	3x150	54	6760	250 MCM
48100KR1030M70	3x185	57,5	8060	350 MCM
48100KR1030M71	3x240	64,3	10320	450 MCM
48100KR1030M72	3x300	71	12780	550 MCM
48100KR1030M73	3x400	77,5	15880	750 MCM

6/10 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48100QR1030M64	3x35	41,3	2790	2
48100QR1030M65	3x50	44	3330	1
48100QR1030M66	3x70	47,5	4180	2/0
48100QR1030M67	3x95	51,5	5250	3/0
48100QR1030M68	3x120	54,9	6220	4/0
48100QR1030M69	3x150	58,5	7320	250 MCM
48100QR1030M70	3x185	61,9	8630	350 MCM
48100QR1030M71	3x240	67,9	10840	450 MCM
48100QR1030M72	3x300	73,8	13210	550 MCM
48100QR1030M73	3x400	79,8	16290	750 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4HI(O)R (XLPE/CTS/PVC)



ELETTROTEK KABEL® RE4H10R



8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48100SR1030M64	3x35	52	3290	2
48100SR1030M65	3x50	54	3880	1
48100SR1030M66	3x70	58	4760	2/0
48100SR1030M67	3x95	62	5850	3/0
48100SR1030M68	3x120	66	6900	4/0
48100SR1030M69	3x150	70	7970	250 MCM
48100SR1030M70	3x185	74	9350	350 MCM
48100SR1030M71	3x240	78	11610	450 MCM
48100SR1030M72	3x300	85	14010	550 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48100UR1030M64	3x35	51	3790	2
48100UR1030M65	3x50	54	4380	1
48100UR1030M66	3x70	57,3	5300	2/0
48100UR1030M67	3x95	61,5	6470	3/0
48100UR1030M68	3x120	65	7510	4/0
48100UR1030M69	3x150	68	8610	250 MCM
48100UR1030M70	3x185	71,8	10050	350 MCM
48100UR1030M71	3x240	77,5	12300	450 MCM
48100UR1030M72	3x300	84	14920	550 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48100XR1030M65	3x50	65,7	5920	1
48100XR1030M66	3x70	69	6920	2/0
48100XR1030M67	3x95	73	8140	3/0
48100XR1030M68	3x120	76,5	9260	4/0
48100XR1030M69	3x150	80	10530	250 MCM
48100XR1030M70	3x185	83,5	12020	350 MCM
48100XR1030M71	3x240	89,5	14490	450 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4H1RFR (XLPE/CTS/PVC/AWA/PVC)



ELETTROTEK KABEL® RE4H1RFR

Construction:

Conductor:	stranded red copper conductor Cl.2 acc.to IEC 60228
Insulation:	XLPE compound
Screen:	red copper tape
Inner sheath:	PVC compound
Armour:	Aluminium wires
Outer sheath:	red (RAL 3000),PVC,type ST2

Resistance:



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

Technical data:

Nominal voltage:	3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV
Test voltage:	3,6/6 kV = 11 kV 12/20 kV= 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV 8,7/15 kV = 24 kV
Temperature range:	0 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	14 x d

Features:

according to IEC 60502-2

3,6/6 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48110MRL010M65	1x50	25,4	1140	1
48110MRL010M66	1x70	27,5	1380	2/0
48110MRL010M67	1x95	29	1700	3/0
48110MRL010M68	1x120	30,5	1970	4/0
48110MRL010M69	1x150	32	2280	250 MCM
48110MRL010M70	1x185	33,5	2660	350 MCM
48110MRL010M71	1x240	37	3410	450 MCM
48110MRL010M72	1x300	40	4130	550 MCM
48110MRL010M73	1x400	43,3	5060	750 MCM
48110MRL010M74	1x500	48,5	6480	900 MCM
48110MRL010M75	1x630	52,7	7900	1150 MCM

6/10 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48110QRL010M65	1x50	27,3	1230	1
48110QRL010M66	1x70	29	1500	2/0
48110QRL010M67	1x95	31	1820	3/0
48110QRL010M68	1x120	32,5	2100	4/0
48110QRL010M69	1x150	34,8	2490	250 MCM
48110QRL010M70	1x185	36	2880	350 MCM
48110QRL010M71	1x240	39	3540	450 MCM
48110QRL010M72	1x300	41,5	4230	550 MCM
48110QRL010M73	1x400	44,3	5150	750 MCM
48110QRL010M74	1x500	49	6510	900 MCM
48110QRL010M75	1x630	53	7950	1150 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4H1RFR (XLPE/CTS/PVC/AWA/PVC)



8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48110SRL010M65	1x50	29,7	1380	1
48110SRL010M66	1x70	31,6	1650	2/0
48110SRL010M67	1x95	34	2020	3/0
48110SRL010M68	1x120	35,5	2320	4/0
48110SRL010M69	1x150	37	2640	250 MCM
48110SRL010M70	1x185	38,5	3070	350 MCM
48110SRL010M71	1x240	41,5	3730	450 MCM
48110SRL010M72	1x300	44	4420	550 MCM
48110SRL010M73	1x400	48	5530	750 MCM
48110SRL010M74	1x500	51,3	6500	900 MCM
48110SRL010M75	1x630	55,5	8180	1150 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48110URL010M65	1x50	31,9	1510	1
48110URL010M66	1x70	33,5	1770	2/0
48110URL010M67	1x95	36	2170	3/0
48110URL010M68	1x120	37,5	2470	4/0
48110URL010M69	1x150	39	2800	250 MCM
48110URL010M70	1x185	40,5	3210	350 MCM
48110URL010M71	1x240	43,5	3890	450 MCM
48110URL010M72	1x300	47,3	4770	550 MCM
48110URL010M73	1x400	50	5710	750 MCM
48110URL010M74	1x500	53,5	6960	900 MCM
48110URL010M75	1x630	57,5	8410	1150 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48110XRL010M65	1x50	38,2	1950	1
48110XRL010M66	1x70	39,8	2220	2/0
48110XRL010M67	1x95	41,7	2580	3/0
48110XRL010M68	1x120	43,2	2890	4/0
48110XRL010M69	1x150	46	3410	250 MCM
48110XRL010M70	1x185	47,9	3850	350 MCM
48110XRL010M71	1x240	50,3	4540	450 MCM
48110XRL010M72	1x300	52,9	5320	550 MCM
48110XRL010M73	1x400	56,5	6280	750 MCM
48110XRL010M74	1x500	60,1	7560	900 MCM
48110XRL010M75	1x630	-	9000	1150 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4HI(O)RFR (XLPE/CTS/PVC/SWA/PVC)



ELETTROTEK KABEL® RE4HIORFR



Construction:

Conductor:	stranded red copper conductor Cl.2 acc.to IEC 60228
Insulation:	XLPE compound
Screen:	red copper tape
Inner sheath:	PVC compound
Armour:	steel wires
Outer sheath:	red (RAL 3000),PVC,type ST2

Resistance:



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

Technical data:

Nominal voltage:	3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV
Test voltage:	3,6/6 kV = 11 kV 12/20 kV= 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV 8,7/15 kV = 24 kV
Temperature range:	0 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	14 x d

Features:

according to IEC 60502-2

3,6/6 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48110MR1030M64	3x35	44	4210	2
48110MR1030M65	3x50	48	5300	1
48110MR1030M66	3x70	52	6330	2/0
48110MR1030M67	3x95	55,5	7590	3/0
48110MR1030M68	3x120	59	8710	4/0
48110MR1030M69	3x150	62,5	9920	250 MCM
48110MR1030M70	3x185	66	11450	350 MCM
48110MR1030M71	3x240	73	13620	450 MCM
48110MR1030M72	3x300	81	17400	550 MCM

6/10 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48110QR1030M64	3x35	49,5	5220	2
48110QR1030M65	3x50	52,3	5940	1
48110QR1030M66	3x70	56	6980	2/0
48110QR1030M67	3x95	60	8290	3/0
48110QR1030M68	3x120	63,5	9490	4/0
48110QR1030M69	3x150	67,3	10790	250 MCM
48110QR1030M70	3x185	70,5	11900	350 MCM
48110QR1030M71	3x240	78	15300	450 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4HI(O)RFR (XLPE/CTS/PVC/SWA/PVC)



8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48110SR1030M64	3x35	52	3500	2
48110SR1030M65	3x50	54	4000	1
48110SR1030M66	3x70	58	4800	2/0
48110SR1030M67	3x95	62	5900	3/0
48110SR1030M68	3x120	66	6950	4/0
48110SR1030M69	3x150	70	8000	250 MCM
48110SR1030M70	3x185	74	9500	350 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48110UR1030M64	3x35	54	6790	2
48110UR1030M65	3x50	56,3	7570	1
48110UR1030M66	3x70	59,6	8720	2/0
48110UR1030M67	3x95	64	9790	3/0
48110UR1030M68	3x120	68	11830	4/0
48110UR1030M69	3x150	71,5	13170	250 MCM
48110UR1030M70	3x185	74,5	14900	350 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48110XR1030M65	3x50	75,6	10290	1
48110XR1030M66	3x70	79,5	11600	2/0

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

ARE4HIR

Single-core, overall copper wires + tape screen 12/20 kV up to 18/30 kV



Construction:

Conductor:	stranded plain aluminium conductor Cl.2, acc. to IEC 60228
Insulation:	XLPE compound
Inner semi-conductive layer:	extruded compound
Outer semi-conductive layer:	extruded compound
Screen:	red copper wires and one or two copper tape(s) applied helically
Outer sheath:	red(RAL 3000),PVC type RZ

Resistance:



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

Technical data:

Nominal voltage:	12/20 kV up to 18/30 kV
Test voltage:	12/20 kV = 29 kV 18/30 kV = 43 kV
Temperature range:	0 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	13 x d
Max. tensile stress:	60 N/mm ²

Features:

according to IEC 60502-2

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48120URL010M64	1 x 35	26,5	640	2
48120URL010M65	1 x 50	27,7	710	1
48120URL010M66	1 x 70	29,5	820	2/0
48120URL010M67	1 x 95	31,6	940	3/0
48120URL010M68	1 x 120	33	1080	4/0
48120URL010M69	1 x 150	34,2	1180	250 MCM
48120URL010M70	1 x 185	36,3	1360	350 MCM
48120URL010M71	1 x 240	38,8	1600	450 MCM
48120URL010M72	1 x 300	42,1	1890	550 MCM
48120URL010M73	1 x 400	45,4	2270	750 MCM
48120URL010M74	1 x 500	48,6	2685	1000 MCM
48120URL010M75	1 x 630	53,4	3280	1250 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48120XRL010M65	1 x 50	33	960	1
48120XRL010M66	1 x 70	34,6	1070	2/0
48120XRL010M67	1 x 95	36,6	1220	3/0
48120XRL010M68	1x 120	38,1	1350	4/0
48120XRL010M69	1 x 150	39,5	1480	250 MCM
48120XRL010M70	1 x 185	41,4	1660	350 MCM
48120XRL010M71	1 x 240	44,1	1930	450 MCM
48120XRL010M72	1 x 300	47,4	2250	550 MCM
48120XRL010M73	1 x 400	50,7	2650	750 MCM
48120XRL010M74	1 x 500	53,9	3100	1000 MCM
48120XRL010M75	1 x 630	58,7	3730	1250 MCM

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

ARE4HIRX

Three-cores, overall copper wires + tape screen 12/20 kV up to 18/30 kV



Construction:

Conductor:	stranded plain aluminium conductor Cl.2, acc. to IEC 60228
Insulation:	XLPE compound
Inner semi-conductive layer:	extruded compound
Outer semi-conductive layer:	extruded compound
Screen:	red copper wires and one or two copper tape(s) applied helically
Outer sheath:	red(RAL 3000),PVC type RZ

Resistance:



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

Technical data:

Nominal voltage:	12/20 kV up to 18/30 kV
Test voltage:	12/20 kV = 29 kV 18/30 kV = 43 kV
Temperature range:	0 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	20 x d
Max. tensile stress:	60 N/mm ²

Features:

according to IEC 60502-2

12/20 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48130URL030M64	3 x 1 x 35	56,1	1930	2
48130URL030M65	3 x 1 x 50	58,8	2140	1
48130URL030M66	3 x 1 x 70	62,6	2490	2/0
48130URL030M67	3 x 1 x 95	66,3	2860	3/0
48130URL030M68	3 x 1 x 120	70,2	3260	4/0
48130URL030M69	3 x 1 x 150	72,7	3560	250 MCM
48130URL030M70	3 x 1 x 185	77,7	4100	350 MCM
48130URL030M71	3 x 1 x 240	82,6	4830	450 MCM
48130URL030M72	3 x 1 x 300	89,9	5720	550 MCM

18/30 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48130XRL030M65	3 x 1 x 50	70,3	2900	1
48130XRL030M66	3 x 1 x 70	73,6	3250	2/0
48130XRL030M67	3 x 1 x 95	77,8	3700	3/0
48130XRL030M68	3 x 1 x 120	81,3	4090	4/0
48130XRL030M69	3 x 1 x 150	84,3	4490	250 MCM
48130XRL030M70	3 x 1 x 185	88,3	5020	350 MCM
48130XRL030M71	3 x 1 x 240	94,1	5840	450 MCM
48130XRL030M72	3 x 1 x 300	101,3	6830	550 MCM

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

ARE4H5(GS)E

Single-core, overall aluminium screen, GAALSHOCK inner sheath 12/20 kV up to 18/30 kV



Construction:

Conductor:	stranded plain aluminium conductor Cl.2, acc. to IEC 60228
Insulation:	XLPE type DIX8
Inner semi-conductive layer:	extruded compound
Outer semi-conductive layer:	extruded compound
Wrapping:	semi-conductive watertight tape
Screen:	aluminium tape
Armour:	GAALTHERM® 600 (GAALSHOCK technology)
Outer sheath:	red(RAL 3000), PE type DMP

Resistance:



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

Technical data:

Nominal voltage:	12/20 kV up to 18/30 kV
Test voltage:	12/20 kV = 29 kV 18/30 kV = 43 kV
Temperature range:	-25 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	13 x d

Features:

according to IEC 60502-2

GAALSHOCK PROTECTION:

- 1: Excellent mechanical protection than steel
- 2: Reduced weight
- 3: Installation, storage and transport reduced costs

INDUSTRIAL MEDIUM VOLTAGE CABLES

ARE4H5(GS)E

Single-core, overall aluminium screen, GAALSHOCK inner sheath 12/20 kV up to 18/30 kV



12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48140URL010M65	1 x 50	34,5	810	1
48140URL010M66	1 x 70	35,5	890	2/0
48140URL010M67	1 x 95	37	1000	3/0
48140URL010M68	1 x 120	38,2	1100	4/0
48140URL010M69	1 x 150	39,5	1210	250 MCM
48140URL010M70	1 x 185	41,3	1370	350 MCM
48140URL010M71	1 x 240	44	1620	450 MCM
48140URL010M72	1 x 300	47,6	1900	550 MCM
48140URL010M73	1 x 400	51,3	2300	750 MCM
48140URL010M74	1 x 500	54,5	2710	1000 MCM
48140URL010M75	1 x 630	59,5	3310	1250 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48140XRL010M65	1 x 50	40,7	1110	1
48140XRL010M66	1 x 70	40,8	1150	2/0
48140XRL010M67	1 x 95	41,8	1240	3/0
48140XRL010M68	1 x 120	42,9	1350	4/0
48140XRL010M69	1 x 150	43,6	1440	250 MCM
48140XRL010M70	1 x 185	45,1	1580	350 MCM
48140XRL010M71	1 x 240	47,4	1810	450 MCM
48140XRL010M72	1 x 300	50,9	2120	550 MCM
48140XRL010M73	1 x 400	54,6	2520	750 MCM
48140XRL010M74	1 x 500	58,1	2970	1000 MCM
48140XRL010M75	1 x 630	63	3590	1250 MCM

Other dimensions and colours available on request.

ARE4H5(GS)EX

Three-cores, overall aluminium screen, GAALSHOCK inner sheath 12/20 kV up to 18/30 kV



ELETTROTEK KABEL® ARE4H5(GS)EX

Construction:

Conductor:	stranded plain aluminium conductor Cl.2, acc. to IEC 60228
Insulation:	XLPE type DIX8
Inner semi-conductive layer:	extruded compound
Outer semi-conductive layer:	extruded compound
Wrapping:	semi-conductive watertight tape
Screen:	aluminium tape
Armour:	GAALTHERM® 600 (GAALSHOCK technology)
Outer sheath:	red(RAL 3000), PE type DMP

Resistance:



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

Technical data:

Nominal voltage:	12/20 kV up to 18/30 kV
Test voltage:	12/20 kV = 29 kV 18/30 kV = 43 kV
Temperature range:	-25 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	20 x d

Features:

according to IEC 60502-2

GAALSHOCK PROTECTION:

- 1: Excellent mechanical protection than steel
- 2: Reduced weight
- 3: Installation, storage and transport reduced costs

INDUSTRIAL MEDIUM VOLTAGE CABLES

ARE4H5(GS)EX

Three-cores, overall aluminium screen, GAALSHOCK inner sheath 12/20 kV up to 18/30 kV



12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48150UR1030M65	3 x 1 x 50	69	2430	1
48150UR1030M66	3 x 1 x 70	71	2660	2/0
48150UR1030M67	3 x 1 x 95	74	3010	3/0
48150UR1030M68	3 x 1 x 120	76,4	3300	4/0
48150UR1030M69	3 x 1 x 150	79	3640	250 MCM
48150UR1030M70	3 x 1 x 185	82,6	4120	350 MCM
48150UR1030M71	3 x 1 x 240	88	4770	450 MCM
48150UR1030M72	3 x 1 x 300	95,2	5730	550 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48150XR1030M65	3 x 1 x 50	81,4	3330	1
48150XR1030M66	3 x 1 x 70	81,6	3450	2/0
48150XR1030M67	3 x 1 x 95	43,6	3730	3/0
48150XR1030M68	3 x 1 x 120	85,8	4050	4/0
48150XR1030M69	3 x 1 x 150	87,2	4310	250 MCM
48150XR1030M70	3 x 1 x 185	90,2	4740	350 MCM
48150XR1030M71	3 x 1 x 240	94,8	5440	450 MCM
48150XR1030M72	3 x 1 x 300	101,8	6360	550 MCM

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4HIMI (XLPE/CTS/LS0H)



ELETTROTEK KABEL® RE4H1M1



Construction:

- Conductor:** stranded red copper conductor Cl.2 acc.to IEC 60228
- Insulation:** XLPE compound
- Screen:** red copper wires and one or two copper tape(s) applied helically
- Outer sheath:** red (RAL 3000), thermoplastic polyolefine, halogen-free, type M1

Technical data:

- Nominal voltage:** 3,6/6 kV, 6/10 kV
8,7/15 kV, 12/20 kV
18/30 kV, 26/45 kV
- Test voltage:** 3,6/6 kV = 11 kV 12/20 kV = 29 kV
6/10 kV = 17 kV 18/30 kV = 45 kV
8,7/15 kV = 24 kV
- Temperature range:** -5 °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 50265-2-1
IEC 60332-1
IEC 60332-3-24



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



Corrosiveness of conflagration gases acc. to:
IEC 60754-2
DIN EN 50267-2-2,

Features:

according to IEC 60502-2

3,6/6 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48160MRL010M64	1x35	18	620	2
48160MRL010M65	1x50	19,2	750	1
48160MRL010M66	1x70	20,7	970	2/0
48160MRL010M67	1x95	22,4	1240	3/0
48160MRL010M68	1x120	23,9	1470	4/0
48160MRL010M69	1x150	25,3	1780	250 MCM
48160MRL010M70	1x185	6,8	2130	350 MCM
48160MRL010M71	1x240	29,8	2730	450 MCM
48160MRL010M72	1x300	32,9	3390	550 MCM
48160MRL010M73	1x400	35,9	4260	750 MCM
48160MRL010M74	1x500	39,7	5390	900 MCM
48160MRL010M75	1x630	44,3	6880	1150 MCM

6/10 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48160QRL010M64	1x35	19,8	680	2
48160QRL010M65	1x50	21	810	1
48160QRL010M66	1x70	22,5	1040	2/0
48160QRL010M67	1x95	24,2	1320	3/0
48160QRL010M68	1x120	25,5	1570	4/0
48160QRL010M69	1x150	27	1850	250 MCM
48160QRL010M70	1x185	28,8	2230	350 MCM
48160QRL010M71	1x240	31,6	2830	450 MCM
48160QRL010M72	1x300	34	3460	550 MCM
48160QRL010M73	1x400	36,5	4310	750 MCM
48160QRL010M74	1x500	40	5420	900 MCM
48160QRL010M75	1x630	44,5	6910	1150 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4HIMI (XLPE/CTS/LS0H)



8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48160SRL010M64	1x35	22	760	2
48160SRL010M65	1x50	23	900	1
48160SRL010M66	1x70	24,5	1130	2/0
48160SRL010M67	1x95	26,5	1410	3/0
48160SRL010M68	1x120	28	1690	4/0
48160SRL010M69	1x150	29,5	1970	250 MCM
48160SRL010M70	1x185	31	2360	350 MCM
48160SRL010M71	1x240	34	2950	450 MCM
48160SRL010M72	1x300	36,5	3610	550 MCM
48160SRL010M73	1x400	39	4470	750 MCM
48160SRL010M74	1x500	42,5	5590	900 MCM
48160SRL010M75	1x630	47	7100	1150 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48160URL010M64	1x35	24	840	2
48160URL010M65	1x50	25,2	980	1
48160URL010M66	1x70	26,5	1130	2/0
48160URL010M67	1x95	28,5	1520	3/0
48160URL010M68	1x120	30	1790	4/0
48160URL010M69	1x150	31,5	2090	250 MCM
48160URL010M70	1x185	33,2	2460	350 MCM
48160URL010M71	1x240	36	3080	450 MCM
48160URL010M72	1x300	38,5	3750	550 MCM
48160URL010M73	1x400	41,3	4620	750 MCM
48160URL010M74	1x500	44,5	5760	900 MCM
48160URL010M75	1x630	49,3	7280	1150 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48160XRL010M65	1x50	30,3	1230	1
48160XRL010M66	1x70	32	1500	2/0
48160XRL010M67	1x95	34	1820	3/0
48160XRL010M68	1x120	35,5	2100	4/0
48160XRL010M69	1x150	37	2390	250 MCM
48160XRL010M70	1x185	38,5	2800	350 MCM
48160XRL010M71	1x240	41,5	3450	450 MCM
48160XRL010M72	1x300	44	4120	550 MCM
48160XRL010M73	1x400	46,5	5030	750 MCM
48160XRL010M74	1x500	50	6170	900 MCM
48160XRL010M75	1x630	55	7760	1150 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4HI(O)MI (XLPE/CTS/LS0H)



ELETTROTEK KABEL® RE4HI0M1

Construction:

Conductor:	stranded red copper conductor Cl.2 acc.to IEC 60228
Insulation:	XLPE compound
Screen:	red copper tape
Inner sheath:	not hygroscopic filler
Outer sheath:	red (RAL 3000),PVC,type RZ

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1
IEC 60332-3-24



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

Technical data:

Nominal voltage:	3,6/6 kV, 6/10 kV 8,7/15 kV, 12/20 kV 18/30 kV
Test voltage:	3,6/6 kV = 11 kV 12/20 kV= 29 kV 6/10 kV = 17 kV 18/30 kV = 45 kV 8,7/15 kV = 24 kV
Temperature range:	- 5 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	14 x d

Features:

according to IEC 60502-2

3,6/6 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48160MR1030M64	3x35	37	2430	2
48160MR1030M65	3x50	40	2950	1
48160MR1030M66	3x70	43,2	3750	2/0
48160MR1030M67	3x95	47,3	4790	3/0
48160MR1030M68	3x120	51	5750	4/0
48160MR1030M69	3x150	54	6760	250 MCM
48160MR1030M70	3x185	57,5	8060	350 MCM
48160MR1030M71	3x240	64,3	10320	450 MCM
48160MR1030M72	3x300	71	12780	550 MCM
48160MR1030M73	3x400	77,5	15880	750 MCM

6/10 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48160QR1030M64	3x35	41,3	2790	2
48160QR1030M65	3x50	44	3330	1
48160QR1030M66	3x70	47,5	4180	2/0
48160QR1030M67	3x95	51,5	5250	3/0
48160QR1030M68	3x120	54,9	6220	4/0
48160QR1030M69	3x150	58,5	7320	250 MCM
48160QR1030M70	3x185	61,9	8630	350 MCM
48160QR1030M71	3x240	67,9	10840	450 MCM
48160QR1030M72	3x300	73,8	13210	550 MCM
48160QR1030M73	3x400	79,8	16290	750 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

RE4HI(O)MI (XLPE/CTS/LS0H)



8,7/15 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48160SR1030M64	3x35	52	3290	2
48160SR1030M65	3x50	54	3880	1
48160SR1030M66	3x70	58	4760	2/0
48160SR1030M67	3x95	62	5850	3/0
48160SR1030M68	3x120	66	6900	4/0
48160SR1030M69	3x150	70	7970	250 MCM
48160SR1030M70	3x185	74	9350	350 MCM
48160SR1030M71	3x240	78	11610	450 MCM
48160SR1030M72	3x300	85	14010	550 MCM

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48160UR1030M64	3x35	51	3790	2
48160UR1030M65	3x50	54	4380	1
48160UR1030M66	3x70	57,3	5300	2/0
48160UR1030M67	3x95	61,5	6470	3/0
48160UR1030M68	3x120	65	7510	4/0
48160UR1030M69	3x150	68	8610	250 MCM
48160UR1030M70	3x185	71,8	10050	350 MCM
48160UR1030M71	3x240	77,5	12300	450 MCM
48160UR1030M72	3x300	84	14920	550 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48160XR1030M65	3x50	65,7	5920	1
48160XR1030M66	3x70	69	6920	2/0
48160XR1030M67	3x95	73	8140	3/0
48160XR1030M68	3x120	76,5	9260	4/0
48160XR1030M69	3x150	80	10530	250 MCM
48160XR1030M70	3x185	83,5	12020	350 MCM
48160XR1030M71	3x240	89,5	14490	450 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

NSGAFÖU 3 kV

Special rubber insulated cable



ELETTROTEK KABEL® NSGAFÖU

Construction:

- Conductor:** flexible tinned copper conductor Cl. 5, acc to EC 60228, DIN VDE 0295
- Insulation:** rubber type 3GI3, halogen free
- Outer sheath:** black(RAL 9005),rubber type,5GM3

Resistance:



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

Technical data:

- Nominal voltage:** 1,8 / 3,6 kV
- Test voltage:** 6 kV
- Temperature range**
- Fixed laying:* - 40 °C / +90 °C
- Flexible application:* - 25 °C / +90 °C

Features:

UV resistant

Applications:

This insulated wire is designed for application busses and railborn veichles. if used in distribution or switching appliances the wire is considered to be short circuit proof . the cable is halogen-free, flame retardant and resistant against moist oils and grease.

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.®)
48170K7L010M15	1x1,5	6,3	14,4	51	16
48170K7L010M25	1x2,5	6,7	24	63	14
48170K7L010M40	1x4	7,4	6,4	82	12
48170K7L010M60	1x6	7,9	7	103	10
48170K7L010M61	1x10	9,5	8,4	159	8
48170K7L010M62	1x16	10,5	9,2	219	6
48170K7L010M63	1x25	12,8	11,5	335	4
48170K7L010M64	1x35	14,1	12,8	435	2
48170K7L010M65	1x50	15,9	14,3	582	1
48170K7L010M66	1x70	17,8	672	757	2/0
48170K7L010M67	1x95	20,1	912	1040	3/0
48170K7L010M68	1x120	22	1152	1289	4/0
48170K7L010M69	1x150	24	1440	1581	250 MCM
48170K7L010M70	1x185	26,3	1776	1895	350 MCM
48170K7L010M71	1x240	29,6	2304	2452	450 MCM
48170K7L010M72	1x300	32,2	2880	2998	550 MCM

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

NSHXAFÖ 3 kV

Special rubber insulated cable



CE

ELETTROTEK KABEL® NSHXAFÖ

Construction:

- Conductor:** flexible red copper conductor Cl. 5, acc to EC 60228, DIN VDE 0295
- Insulation:** rubber type 3GI3, halogen free
- Outer sheath:** black(RAL 9005),halogen free type HM3

Technical data:

- Nominal voltage:** 1,8 / 3,6 kV
- Test voltage:** 6 kV
- Temperature range**
- Fixed laying:* - 40 °C / +70 °C
- Flexible application:* - 25 °C / +70 °C

Resistance:



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



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



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

Applications:

This insulated wire is designed for application busses and railborn veichles.
if used in distribution or switching appliances the wire is considered to be short circuit proof .
the cable is halogen-free, flame retardant and resistant against moist oils and grease.

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.*)
48180K7L010M15	1x1.5	7	14,4	60	16
48180K7L010M25	1x2.5	7,5	24	70	14
48180K7L010M40	1x4	9	38	85	12
48180K7L010M60	1x6	9,5	58	110	10
48180K7L010M61	1x10	11	96	160	8
48180K7L010M62	1x16	13	154	240	6
48180K7L010M63	1x25	15	240	365	4
48180K7L010M64	1x35	16,5	336	494	2
48180K7L010M65	1x50	18	480	656	1
48180K7L010M66	1x70	20,5	672	880	2/0
48180K7L010M67	1x95	24	912	1090	3/0
48180K7L010M68	1x120	25,1	1152	1340	4/0
48180K7L010M69	1x150	28	1440	1640	250 MCM
48180K7L010M70	1x185	31	1776	2160	350 MCM
48180K7L010M71	1x240	34,5	2304	2570	450 MCM
48180K7L010M72	1x300	38	2880	3470	550 MCM
48180K7L010M73	1x400	40,1	3840	4180	750 MCM
48180K7L010M74	1x500	42,1	4800	5860	950 MCM

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

N2XSY 6/10 kV, 12/20 kV, 18/30 kV PVC- jacket



ELETTROTEK KABEL® N2XSY



Construction:

Conductor:	stranded red copper conductor Cl.2 acc.to IEC 60228
Insulation:	XLPE compound
Screen:	red copper wires and one or two copper tape(s) applied helically
Outer sheath:	red (RAL 3000), PVC type DMV6

Resistance:







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

On request:
IEC 60332-3/22 or 60332-3/24,
DIN VDE 0482-332-3 part 266-4-2 or 266-5-2
EN 60322-3

Technical data:

Nominal voltage:	6/10 kV, 12/20 kV, 18/30 kV
Test voltage:	6/10 kV = 17 kV 12/20 kV = 29 kV 18/30 kV = 45 kV
Temperature range:	- 5 °C / + 70 °C

Features:

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

Applications:

Suitable for installation mostly for power supply stations, in indoors and in cable ducts, outdoors, underground, and in water as well as for installation on cable trays for industries, switch-boards and power stations. Due to the good laying characteristics, this can also be laid easily in difficult line guideways. See DIN VDE 0298 part 1 .

6/10 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.*)
48190QRL010M64	1x35 rm/16	25,5	518	905	2
48190QRL010M65	1x50 rm/16	26,5	662	1080	1
48190QRL010M66	1x70 rm/16	28,5	860	1310	2/0
48190QRL010M67	1x95 rm/16	29,5	1098	1580	3/0
48190QRL010M68	1x120 rm/16	31,5	1340	1860	4/0
48191QRL010M69	1x150 rm/16*	32,5	1622	2040	250 MCM
48190QRL010M69	1x150 rm/25	32,5	1725	2210	250 MCM
48191QRL011M70	1x185 rm/16*	36,5	1958	2450	350 MCM
48190QRL010M70	1x185 rm/25	36,5	2059	2580	350 MCM
48191QRL011M71	1x240 rm/16*	38,5	2486	3000	450 MCM
48190QRL010M71	1x240 rm/25	38,5	2587	3130	450 MCM
48190QRL010M72	1x300 rm/25	38,5	3163	3780	550 MCM
48190QRL010M73	1x400 rm/35	42,5	4234	4670	750 MCM
48190QRL010M74	1x500 rm/35	45,5	5194	5750	1000 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

N2XSY 6/10 kV, 12/20 kV, 18/30 kV PVC- jacket



12/20 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. *)
48190URL010M64	1x35 rm/16	29,5	518	1110	2
48190URL010M65	1x50 rm/16	30,5	662	1250	1
48190URL010M66	1x70 rm/16	32,5	860	1510	2/0
48190URL010M67	1x95 rm/16	33,5	1098	1780	3/0
48190URL010M68	1x120 rm/16	35,5	1340	2070	4/0
48191URL011M69	1x150 rm/16*	36,5	1622	2310	250 MCM
48190URL010M69	1x150 rm/25	36,5	1725	2420	250 MCM
48191URL011M70	1x185 rm/16*	38,5	1958	2650	350 MCM
48190URL010M70	1x185 rm/25	38,5	2059	2810	350 MCM
48191URL011M71	1x240 rm/16*	41,5	2486	3260	450 MCM
48190URL010M71	1x240 rm/25	41,5	2587	3360	450 MCM
48190URL010M72	1x300 rm/25	43,5	3163	4020	550 MCM
48190URL010M73	1x400 rm/35	46,5	4234	4930	750 MCM
48190URL010M74	1x500 rm/35	49,5	5194	6050	1000 MCM

18/30 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. *)
48190XRL010M65	1x50 rm/16	35,5	662	1480	1
48190XRL010M66	1x70 rm/16	37,5	854	1730	2/0
48190XRL010M67	1x95 rm/16	38,5	1094	2060	3/0
48190XRL010M68	1x120 rm/16	40,5	1334	2330	4/0
48190XRL010M69	1x150 rm/25	41,5	1723	2720	300 MCM
48190XRL010M70	1x185 rm/25	43,5	2059	3100	350 MCM
48190XRL010M71	1x240 rm/25	45,5	2587	3730	500 MCM
48190XRL010M72	1x300 rm/25	48,5	3163	4000	600 MCM
48190XRL010M73	1x400 rm/35	51,5	4234	5330	750 MCM
48190XRL010M74	1x500 rm/35	54,5	5194	6480	1000 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

N2XS2Y 6/10 kV, 12/20 kV, 18/30 kV PE- jacket



ELETTROTEK KABEL® N2XS2Y







Construction:

- Conductor:** stranded red copper conductor Cl.2 acc.to IEC 60228
- Insulation:** XLPE,type DIX 8
- Screen:** red copper wires and one or two copper tape(s) applied helically
- Outer sheath:** black (RAL 9005),PE type DMP2

Features:

Water resistant

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

Technical data:

- Nominal voltage:** 6/10 kV, 12/20 kV, 18/30 kV
- Test voltage:** 6/10 kV = 17 kV
12/20 kV= 29 kV
18/30 kV = 45 kV
- Temperature range:** - 20 °C / + 70 °C

Applications:

Suitable for installation mostly for power supply stations, in indoors and in cable ducts, outdoors, underground, and in water as well as for installation on cable trays for industries, switch-boards and power stations. Due to the good laying characteristics, this can also be laid easily in difficult line guideways. See DIN VDE 0298 part 1 .

6/10 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.)*
48200Q7L010M64	1x35 rm/16	25,5	518	910	2
48200Q7L010M65	1x50 rm/16	26,5	662	990	1
48200Q7L010M66	1x70 rm/16	28,5	860	1205	2/0
48200Q7L010M67	1x95 rm/16	29,5	1098	1520	3/0
48200Q7L010M68	1x120 rm/16	31,5	1340	1760	4/0
48201Q7L010M69	1x150 rm/16*	32,5	1622	2020	250 MCM
48200Q7L010M69	1x150 rm/25	32,5	1725	2130	250 MCM
48201Q7L011M70	1x185 rm/16*	34,5	1958	2360	350 MCM
48200Q7L010M70	1x185 rm/25	34,5	2059	2470	350 MCM
48201Q7L011M71	1x240 rm/16*	36,5	2486	2960	450 MCM
48200Q7L010M71	1x240 rm/25	36,5	2587	3020	450 MCM
48200Q7L010M72	1x300 rm/25	38,5	3163	3630	550 MCM
48200Q7L010M73	1x400 rm/35	42,5	4234	4560	750 MCM
48200Q7L010M74	1x500 rm/35	45,5	5194	5580	1000 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

N2XS2Y 6/10 kV, 12/20 kV, 18/30 kV PE- jacket



ELETTROTEK KABEL® N2XS2Y

12/20 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. *)
48200U7L010M64	1x35 rm/16	29,5	518	960	2
48200U7L010M65	1x50 rm/16	30,5	662	1160	1
48200U7L010M66	1x70 rm/16	32,5	854	1410	2/0
48200U7L010M67	1x95 rm/16	33,5	1094	1670	3/0
48200U7L010M68	1x120 rm/16	35,5	1334	1860	4/0
48201U7L011M69	1x150 rm/16*	36,5	1622	2220	250 MCM
48200U7L010M69	1x150 rm/25	36,5	1723	2310	250 MCM
48201U7L011M70	1x185 rm/16*	38,5	1958	2620	350 MCM
48200U7L010M70	1x185 rm/25	38,5	2059	2670	350 MCM
48201U7L011M71	1x240 rm/16*	41,5	2486	3160	450 MCM
48200U7L010M71	1x240 rm/25	41,5	2587	3270	450 MCM
48200U7L010M72	1x300 rm/25	43,5	3163	3880	550 MCM
48200U7L010M73	1x400 rm/35	46,5	4234	4820	750 MCM
48200U7L010M74	1x500 rm/35	49,5	5194	5860	1000 MCM

18/30 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. *)
48200X7L010M65	1x50 rm/16	35,5	662	1410	1
48200X7L010M66	1x70 rm/16	37,5	1410	1660	2/0
48200X7L010M67	1x95 rm/16	38,5	1660	1970	3/0
48200X7L010M68	1x120 rm/16	40,5	1970	2220	4/0
48200X7L010M69	1x150 rm/25	41,5	2220	2650	300 MCM
48200X7L010M70	1x185 rm/25	43,5	2650	2980	350 MCM
48200X7L010M71	1x240 rm/25	45,5	2980	3570	500 MCM
48200X7L010M72	1x300 rm/25	48,5	3570	4220	600 MCM
48200X7L010M73	1x400 rm/35	51,5	4220	5170	750 MCM
48200X7L010M74	1x500 rm/35	54,5	5170	6260	1000 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

N2XS(F)2Y 6/10 kV, 12/20 kV, 18/30 kV PE- jacket and WATER TIGHT







ELETTROTEK KABEL® N2XS F2Y

Construction:

Conductor:	stranded red copper conductor Cl.2 acc.to IEC 60228
Insulation:	XLPE,type DIX 8
Screen:	red copper wires and one or two copper tape(s) applied helically
Wrapping:	semi-conductive watertight tape
Outer sheath:	black (RAL 9005),PE type DMP2

Features:

Water resistant

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

Technical data:

Nominal voltage:	6/10 kV, 12/20 kV, 18/30 kV
Test voltage:	6/10 kV = 17 kV 12/20 kV= 29 kV 18/30 kV = 45 kV
Temperature range:	- 20 °C / + 70 °C

Applications:

Suitable for indoor installation and in cable ducts, outdoors, underground and in water as well as for installations in cable trays for industries, switchboards and power station.

6/10 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.)*
48210Q7L010M64	1x35 rm/16	26	518	850	2
48210Q7L010M65	1x50 rm/16	28	662	1150	1
48210Q7L010M66	1x70 rm/16	30	854	1460	2/0
48210Q7L010M67	1x95 rm/16	31	1094	1700	3/0
48210Q7L010M68	1x120 rm/16	32	1334	2030	4/0
48210Q7L010M69	1x150 rm/25	34	1723	2350	250 MCM
48210Q7L010M70	1x185 rm/25	36	2059	2700	350 MCM
48210Q7L010M71	1x240 rm/25	38	2587	3300	450 MCM
48210Q7L010M72	1x300 rm/25	40	3163	3900	550 MCM
48210Q7L010M73	1x400 rm/35	44	4234	4850	750 MCM
48210Q7L010M74	1x500 rm/35	47	5194	6000	1000 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

N2XS(F)2Y 6/10 kV, 12/20 kV, 18/30 kV PE- jacket and WATER TIGHT



ELETTROTEK KABEL® N2XS F2Y

12/20 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. *)
48210U7L010M64	1x35 rm/16	31	518	1210	2
48210U7L010M65	1x50 rm/16	33	662	1400	1
48210U7L010M66	1x70 rm/16	34	854	1550	2/0
48210U7L010M67	1x95 rm/16	36	1094	1800	3/0
48210U7L010M68	1x120 rm/16	37	1334	2150	4/0
48210U7L010M69	1x150 rm/25	39	1723	2400	250 MCM
48210U7L010M70	1x185 rm/25	41	2059	2850	350 MCM
48210U7L010M71	1x240 rm/25	43	2587	3250	450 MCM
48210U7L010M72	1x300 rm/25	45	3163	3850	550 MCM
48210U7L010M73	1x400 rm/35	48	4234	4900	750 MCM
48210U7L010M74	1x500 rm/35	52	5194	6100	1000 MCM

18/30 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. *)
48210X7L010M64	1x35 rm/16	31	518	-	2
48210X7L010M65	1x50 rm/16	33	662	1650	1
48210X7L010M66	1x70 rm/16	34	854	1900	2/0
48210X7L010M67	1x95 rm/16	36	1094	2150	3/0
48210X7L010M68	1x120 rm/16	37	1334	2450	4/0
48210X7L010M69	1x150 rm/25	39	1723	2750	250 MCM
48210X7L010M70	1x185 rm/25	41	2059	3150	350 MCM
48210X7L010M71	1x240 rm/25	43	2587	3800	450 MCM
48210X7L010M72	1x300 rm/25	45	3163	4400	550 MCM
48210X7L010M73	1x400 rm/35	48	4234	5450	750 MCM
48210X7L010M74	1x500 rm/35	52	5194	6550	1000 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

N2XSEY 6/10, 12/20 and 18/30 kV

XLPE-Insulated,PVC Jacket



ELETTROTEK KABEL® N2XSEY



Construction:

- Conductor:** stranded red copper conductor Cl.2 acc.to IEC 60228
- Insulation:** XLPE compound
- Screen:** red copper wires and one or two copper tape(s) applied helically
- Outer sheath:** red (RAL 3000),PVC,type YM5

Resistance:







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

Technical data:

- Nominal voltage:** 6/10 kV, 12/20 kV, 18/30 kV
- Test voltage:** 6/10 kV = 17 kV
12/20 kV= 29 kV
18/30 kV = 45 kV
- Temperature range:** - 5 °C / + 70 °C

Features:

on request: EN 60332-3-24

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

Applications:

High operational reliability is assured by the combination of both conducting layers in combination with the insulation. Suitable for installation in indoors and in cable ducts,outdoor as well as for laying on racks for industry and switching systems and power plants.

6/10 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48220QR1030M61	3x10 rm/10	36,9	1898	8
48220QR1030M62	3x16 rm 16	39,1	2244	6
48220QR1030M63	3x25 rm/16	43,0	2850	4
48220QR1030M64	3x35 rm/16	48,0	3300	2
48220QR1030M65	3x50 rm/16	50,0	3750	1
48220QR1030M66	3x70 rm/16	54,0	4650	2/0
48220QR1030M67	3x95 rm/16	58,0	5700	3/0
48220QR1030M68	3x120 rm/16	61,0	6700	4/0
48220QR1030M69	3x150 rm/25	65,0	7900	250 MCM
48220QR1030M70	3x185 rm/25	68,0	9200	350 MCM
48220QR1030M71	3x240 rm/25	74,0	11450	450 MCM
48220QR1030M72	3x300 rm/25	79,0	14450	550 MCM
48220QR1030M73	3x400 rm/35	83,1	17151	750 MCM
48220QR1030M74	3x500 rm/35	91,5	20962	1000 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

N2XSEY 6/10, 12/20 and 18/30 kV

XLPE-Insulated,PVC Jacket



ELETTROTEK KABEL® N2XSEY



12/20 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48220UR1030M63	3x25 rm/16	51,5	3483	4
48220UR1030M64	3x35 rm/16	54,5	4100	2
48220UR1030M65	3x50 rm/16	57,4	4801	1
48220UR1030M66	3x70 rm/16	61,1	5719	2/0
48220UR1030M67	3x95 rm/16	64,9	6675	3/0
48220UR1030M68	3x120 rm/16	68,0	7880	4/0
48220UR1030M69	3x150 rm/25	71,1	8975	250 MCM
48220UR1030M70	3x185 rm/25	75,8	10444	350 MCM
48220UR1030M71	3x240 rm/25	80,5	12573	450 MCM
48220UR1030M72	3x300 rm/25	87,4	14967	550 MCM

18/30 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48220XR1030M64	3x35 rm/16	65,8	5472	2
48220XR1030M65	3x50 rm/16	69,0	6414	1
48220XR1030M66	3x70 rm/16	72,7	7423	2/0
48220XR1030M67	3x95 rm/16	76,5	8601	3/0
48220XR1030M68	3x120 rm/16	79,9	9737	4/0
48220XR1030M69	3x150 rm/25	82,7	10953	250 MCM
48220XR1030M70	3x185 rm/25	87,4	12549	350 MCM
48220XR1030M71	3x240 rm/25	91,4	14721	450 MCM
48220XR1030M72	3x300 rm/25	98,1	17131	550 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

NF2XSE(GS)Y or NFA2XSE(GS)Y

Three-cores, copper wires screen, GAALSHOCK inner sheath, 3,6/6 kV up to 18/30 kV



Construction:

Conductor:	copper or aluminium strands conductor Cl. 2, acc. to IEC 60228 on request water blocked conductor
Insulation:	XLPE compound or HEPR compound
Inner semi-conductive layer:	extruded compound
Outer semi-conductive layer:	extruded compound
Screen:	copper wires, on request water blocking screen
Armour:	GAAL THERM® 600 (GAALSHOCK technology)
Outer sheath:	red(RAL 3000),PVC compound

Resistance:



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

Technical data:

Nominal voltage:	3,6/6 kV (7200)V up to 18/30 kV (3600)V
Test voltage:	3,6/6 (7200)V = 6 kV 6/10 (12000)V = 11 kV 8,7/15(1750)V = 24 kV 12/20 (24000)V = 29 kV 18/30 (36000)V = 43 kV
Temperature range:	- 25 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius	
<i>Fixed laying:</i>	20 x d
<i>Flexible application:</i>	15 x d

Features:

- according to IEC 60502-2
 - UV, weather, chemical and water resistance
 - on request acc. to SPLN, ICEA/NEMA
 - on request PVC-FR compound (flame retardant), LSOH or PE compound, other colors on request
- GAALSHOCK PROTECTION:**
- 1: Excellent mechanical protection than steel
 - 2: Reduced weight
 - 3: Installation, storage and transport reduced costs

3,6/6 (7,2) kV

COPPER CONDUCTOR, XLPE INSULATION, COPPER WIRES SCREEN, GAALSHOCK INNER SHEATH, PVC OUTER SHEATH

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
48230MR1030M65	3 x 1 x 50	59	2803	1
48230MR1030M66	3 x 1 x 70	63	3460	2/0
48230MR1030M67	3 x 1 x 95	67	4240	3/0
48230MR1030M68	3 x 1 x 120	70	5039	4/0
48230MR1030M69	3 x 1 x 150	73	6080	250 MCM
48230MR1030M70	3 x 1 x 185	77	7198	350 MCM
48230MR1030M71	3 x 1 x 240	83	8879	450 MCM
48230MR1030M72	3 x 1 x 300	89	10750	550 MCM
48230MR1030M73	3 x 1 x 400	97	13289	750 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

NF2XSE(GS)Y or NFA2XSE(GS)Y

Three-cores, copper wires screen, GAALSHOCK inner sheath, 3,6/6 kV up to 18/30 kV



6/10 (12) kV

COPPER CONDUCTOR, XLPE INSULATION, COPPER WIRES SCREEN, GAALSHOCK INNER SHEATH, PVC OUTER SHEATH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48230QR1030M65	3 x 1 x 50	64	3003	1
48230QR1030M66	3 x 1 x 70	67	3650	2/0
48230QR1030M67	3 x 1 x 95	71	4470	3/0
48230QR1030M68	3 x 1 x 120	74	5254	4/0
48230QR1030M69	3 x 1 x 150	78	6335	250 MCM
48230QR1030M70	3 x 1 x 185	81	7438	350 MCM
48230QR1030M71	3 x 1 x 240	87	9138	450 MCM
48230QR1030M72	3 x 1 x 300	92	10975	550 MCM
48230QR1030M73	3 x 1 x 400	99	13414	750 MCM

8,7/15 (17,5) kV

COPPER CONDUCTOR, XLPE INSULATION, COPPER WIRES SCREEN, GAALSHOCK INNER SHEATH, PVC OUTER SHEATH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48230SR1030M65	3 x 1 x 50	69	3253	1
48230SR1030M66	3 x 1 x 70	72	3945	2/0
48230SR1030M67	3 x 1 x 95	76	4755	3/0
48230SR1030M68	3 x 1 x 120	80	5584	4/0
48230SR1030M69	3 x 1 x 150	82	6645	250 MCM
48230SR1030M70	3 x 1 x 185	87	7808	350 MCM
48230SR1030M71	3 x 1 x 240	92	9529	450 MCM
48230SR1030M72	3 x 1 x 300	97	11395	550 MCM
48230SR1030M73	3 x 1 x 400	104	13869	750 MCM

12/20 (24) kV

COPPER CONDUCTOR, XLPE INSULATION, COPPER WIRES SCREEN, GAALSHOCK INNER SHEATH, PVC OUTER SHEATH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48230UR1030M65	3 x 1 x 50	73	3533	1
48230UR1030M66	3 x 1 x 70	77	4240	2/0
48230UR1030M67	3 x 1 x 95	81	5065	3/0
48230UR1030M68	3 x 1 x 120	84	5914	4/0
48230UR1030M69	3 x 1 x 150	87	6985	250 MCM
48230UR1030M70	3 x 1 x 185	92	8163	350 MCM
48230UR1030M71	3 x 1 x 240	97	9914	450 MCM
48230UR1030M72	3 x 1 x 300	101	11765	550 MCM
48230UR1030M73	3 x 1 x 400	108	14549	750 MCM

18/30 (36) kV

COPPER CONDUCTOR, XLPE INSULATION, COPPER WIRES SCREEN, GAALSHOCK INNER SHEATH, PVC OUTER SHEATH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48230XR1030M65	3 x 1 x 50	85	4298	1
48230XR1030M66	3 x 1 x 70	89	5070	2/0
48230XR1030M67	3 x 1 x 95	93	5915	3/0
48230XR1030M68	3 x 1 x 120	96	6804	4/0
48230XR1030M69	3 x 1 x 150	99	7660	250 MCM
48230XR1030M70	3 x 1 x 185	103	8893	350 MCM
48230XR1030M71	3 x 1 x 240	108	10654	450 MCM
48230XR1030M72	3 x 1 x 300	113	12615	550 MCM
48230XR1030M73	3 x 1 x 400	120	15179	750 MCM

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

NF2XSE(GS)Y or NFA2XSE(GS)Y

Three-cores, copper wires screen, GAALSHOCK inner sheath, 3,6/6 kV up to 18/30 kV



3,6/6 (7,2) kV

ALLUMINIUM CONDUCTOR, XLPE INSULATION, COPPER WIRES SCREEN, GAALSHOCK INNER SHEATH, PVC OUTER SHEATH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48231MR1030M65	3 x 1 x 50	59	1945	1
48231MR1030M66	3 x 1 x 70	63	2235	2/0
48231MR1030M67	3 x 1 x 95	67	2545	3/0
48231MR1030M68	3 x 1 x 120	70	2880	4/0
48231MR1030M69	3 x 1 x 150	73	3410	250 MCM
48231MR1030M70	3 x 1 x 185	77	3865	350 MCM
48231MR1030M71	3 x 1 x 240	83	4475	450 MCM
48231MR1030M72	3 x 1 x 300	89	5295	550 MCM
48231MR1030M73	3 x 1 x 400	97	6350	750 MCM

6/10 (12) kV

ALLUMINIUM CONDUCTOR, XLPE INSULATION, COPPER WIRES SCREEN, GAALSHOCK INNER SHEATH, PVC OUTER SHEATH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48231QR1030M65	3 x 1 x 50	64	2145	1
48231QR1030M66	3 x 1 x 70	67	2425	2/0
48231QR1030M67	3 x 1 x 95	71	2775	3/0
48231QR1030M68	3 x 1 x 120	74	3095	4/0
48231QR1030M69	3 x 1 x 150	78	3665	250 MCM
48231QR1030M70	3 x 1 x 185	81	4105	350 MCM
48231QR1030M71	3 x 1 x 240	87	4735	450 MCM
48231QR1030M72	3 x 1 x 300	92	5520	550 MCM
48231QR1030M73	3 x 1 x 400	99	6475	750 MCM

8,7/15 (17,5) kV

ALLUMINIUM CONDUCTOR, XLPE INSULATION, COPPER WIRES SCREEN, GAALSHOCK INNER SHEATH, PVC OUTER SHEATH

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
48231SR1030M65	3 x 1 x 50	69	2395	1
48231SR1030M66	3 x 1 x 70	72	2720	2/0
48231SR1030M67	3 x 1 x 95	76	3060	3/0
48231SR1030M68	3 x 1 x 120	80	3425	4/0
48231SR1030M69	3 x 1 x 150	82	3975	250 MCM
48231SR1030M70	3 x 1 x 185	87	4475	350 MCM
48231SR1030M71	3 x 1 x 240	92	5125	450 MCM
48231SR1030M72	3 x 1 x 300	97	5940	550 MCM
48231SR1030M73	3 x 1 x 400	104	6930	750 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

NF2XSE(GS)Y or NFA2XSE(GS)Y

Three-cores, copper wires screen, GAALSHOCK inner sheath, 3,6/6 kV up to 18/30 kV



12/20 (24) kV

ALLUMINIUM CONDUCTOR, XLPE INSULATION, COPPER WIRES SCREEN, GAALSHOCK INNER SHEATH, PVC OUTER SHEATH

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48231UR1030M65	3 x 1 x 50	73	2675	1
48231UR1030M66	3 x 1 x 70	77	3015	2/0
48231UR1030M67	3 x 1 x 95	81	3370	3/0
48231UR1030M68	3 x 1 x 120	84	3755	4/0
48231UR1030M69	3 x 1 x 150	87	4315	250 MCM
48231UR1030M70	3 x 1 x 185	92	4830	350 MCM
48231UR1030M71	3 x 1 x 240	97	5510	450 MCM
48231UR1030M72	3 x 1 x 300	101	6310	550 MCM
48231UR1030M73	3 x 1 x 400	108	7610	750 MCM

18/30 (36) kV

ALLUMINIUM CONDUCTOR, XLPE INSULATION, COPPER WIRES SCREEN, GAALSHOCK INNER SHEATH, PVC OUTER SHEATH

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.*)
48231XR1030M65	3 x 1 x 50	85	3440	1
48231XR1030M66	3 x 1 x 70	89	3845	2/0
48231XR1030M67	3 x 1 x 95	93	4220	3/0
48231XR1030M68	3 x 1 x 120	96	4645	4/0
48231XR1030M69	3 x 1 x 150	99	4990	250 MCM
48231XR1030M70	3 x 1 x 185	103	5560	350 MCM
48231XR1030M71	3 x 1 x 240	108	6250	450 MCM
48231XR1030M72	3 x 1 x 300	113	7160	550 MCM
48231XR1030M73	3 x 1 x 400	120	8240	750 MCM

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

NA2XSY 6/10 kV, 12/20 kV, 18/30 kV

PVC power cable, Alu conductor



ELETTROTEK KABEL® NA2XSY



Construction:

Conductor:	stranded plain aluminium conductor Cl.2 acc.to IEC 60228
Insulation:	XLPE type DIX8
Screen:	red copper wires and one or two copper tape(s) applied helically
Outer sheath:	red (RAL 3000), PVC type DMV6

Resistance:







Flame retardant acc. to:

DIN VDE 0482 VDE 0482-332-1-2 part 265-2-1
EN 50265-2-1
IEC 60332-1

Technical data:

Nominal voltage:	6/10 kV, 12/20 kV, 18/30 kV
Test voltage:	6/10 kV = 17 kV 12/20 kV = 29 kV 18/30 kV = 45 kV
Temperature range:	- 5 °C / + 70 °C

Features:

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

Applications:

Suitable for installation mostly for power supply stations, in indoors and in cable ducts, outdoors, underground, and in water as well as for installation on cable trays for industries, switch-boards and power stations. Due to the good laying characteristics, this can also be laid easily in difficult line guideways. See DIN VDE 0298 part 1.

6/10 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Alu weight kg/km	Cable weight approx. kg/km	AWG no.*)
48240QRL010M64	1x35 rm/16	25,5	-	-	2
48240QRL010M65	1x50 rm/16	26,5	145	780	1
48240QRL010M66	1x70 rm/16	28,5	203	870	2/0
48240QRL010M67	1x95 rm/16	29,5	276	990	3/0
48240QRL010M68	1x120 rm/16	31,5	348	1100	4/0
48241QRL010M69	1x150 rm/16*	32,5	435	1250	250 MCM
48240QRL010M69	1x150 rm/25	32,5	435	1300	250 MCM
48241QRL011M70	1x185 rm/16*	34,5	537	1400	350 MCM
48240QRL010M70	1x185 rm/25	34,5	537	1450	350 MCM
48241QRL011M71	1x240 rm/16*	36,5	696	1600	450 MCM
48240QRL010M71	1x240 rm/25	36,5	696	1650	450 MCM
48240QRL010M72	1x300 rm/25	38,5	870	1950	550 MCM
48240QRL010M73	1x400 rm/35	42,5	1160	2350	750 MCM
48240QRL010M74	1x500 rm/35	45,5	1450	2700	1000 MCM

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

NA2XSY 6/10 kV, 12/20 kV, 18/30 kV

PVC power cable, Alu conductor



ELETTROTEK KABEL® NA2XSY



12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Alu weight kg/km	Cable weight approx. kg/km	AWG no. *)
48240URL010M64	1x35 rm/16	29,5	-	-	2
48240URL010M65	1x50 rm/16	30,5	145	970	1
48240URL010M66	1x70 rm/16	32,5	203	1110	2/0
48240URL010M67	1x95 rm/16	33,5	276	1220	3/0
48240URL010M68	1x120 rm/16	35,5	348	1310	4/0
48241URL010M69	1x150 rm/16*	36,5	435	1460	250 MCM
48240URL010M69	1x150 rm/25	36,5	435	1520	250 MCM
48241URL011M70	1x185 rm/16*	38,5	537	1660	350 MCM
48240URL010M70	1x185 rm/25	38,5	537	1720	350 MCM
48241URL011M71	1x240 rm/16*	41,5	696	1910	450 MCM
48240URL010M71	1x240 rm/25	41,5	696	1860	450 MCM
48240URL010M72	1x300 rm/25	43,5	870	2220	550 MCM
48240URL010M73	1x400 rm/35	46,5	1160	2620	750 MCM
48240URL010M74	1x500 rm/35	49,5	1450	3030	1000 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Alu weight kg/km	Cable weight approx. kg/km	AWG no. *)
48240XRL010M65	1x50 rm/16	35,5	145	1260	1
48240XRL010M66	1x70 rm/16	37,5	203	1360	2/0
48240XRL010M67	1x95 rm/16	38,5	276	1510	3/0
48240XRL010M68	1x120 rm/16	40,5	348	1610	4/0
48240XRL010M69	1x150 rm/25	41,5	435	1810	250 MCM
48240XRL010M70	1x185 rm/25	43,5	537	2020	350 MCM
48240XRL010M71	1x240 rm/25	45,5	696	2260	450 MCM
48240XRL010M72	1x300 rm/25	48,5	870	2560	550 MCM
48240XRL010M73	1x400 rm/35	51,5	1160	2960	750 MCM
48240XRL010M74	1x500 rm/35	54,5	1450	3460	1000 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

NA2XS(F)2Y 6/10 kV, 12/20 kV, 18/30 kV

Pe-jacket and WATER TIGHT,Alu conductor







ELETTROTEK KABEL® NA2XS F2Y

Construction:

Conductor:	stranded plain aluminium conductor Cl.2 acc.to IEC 60228
Insulation:	XLPE,type DIX 8
Screen:	red copper wires and one or two copper tape(s) applied helically
Wrapping:	semi-conductive watertight tape
Outer sheath:	black (RAL 9005),PE type DMP 2

Features:

Water resistant

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

Technical data:

Nominal voltage:	6/10 kV, 12/20 kV, 18/30 kV
Test voltage:	6/10 kV = 17 kV 12/20 kV= 29 kV 18/30 kV = 45 kV
Temperature range:	- 20 °C / + 70 °C

Applications:

Suitable for indoor installation and in cable ducts, outdoors, underground and in water as well as for installations in cable trays for industries, switchboards and power station.

6/10 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Alu weight kg/km	Cable weight approx. kg/km	AWG no.*)
48250Q7L010M65	1x50 rm/16	25	145	850	1
48250Q7L010M66	1x70 rm/16	27	203	950	2/0
48250Q7L010M67	1x95 rm/16	28	276	1100	3/0
48250Q7L010M68	1x120 rm/16	30	348	1200	4/0
48250Q7L010M69	1x150 rm/25	31	435	1400	250 MCM
48250Q7L010M70	1x185 rm/25	33	537	1550	350 MCM
48250Q7L010M71	1x240 rm/25	35	696	1750	450 MCM
48250Q7L010M72	1x300 rm/25	37	870	2050	550 MCM
48250Q7L010M73	1x400 rm/35	40	1160	2450	750 MCM
48250Q7L010M74	1x500 rm/35	44	1450	2850	1000MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

NA2XS(F)2Y 6/10 kV, 12/20 kV, 18/30 kV

Pe-jacket and WATER TIGHT, Alu conductor



12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Alu weight kg/km	Cable weight approx. kg/km	AWG no. *)
48250U7L010M65	1x50 rm/16	29	145	950	1
48250U7L010M66	1x70 rm/16	31	203	1050	2/0
48250U7L010M67	1x95 rm/16	32	276	1300	3/0
48250U7L010M68	1x120 rm/16	34	348	1450	4/0
48250U7L010M69	1x150 rm/25	36	435	1650	250 MCM
48250U7L010M70	1x185 rm/25	37	537	1800	350 MCM
48250U7L010M71	1x240 rm/25	40	696	2050	450 MCM
48250U7L010M72	1x300 rm/25	42	870	2300	550 MCM
48250U7L010M73	1x400 rm/35	45	1160	2800	750 MCM
48250U7L010M74	1x500 rm/35	48	1450	3200	1000 MCM
48250U7L010M75	1x630 rm/35	52	1827	3268	1150 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Alu weight kg/km	Cable weight approx. kg/km	AWG no. *)
48250X7L010M65	1x50 rm/16	35	145	1164	1
48250X7L010M66	1x70 rm/16	38	203	1289	2/0
48250X7L010M67	1x95 rm/16	40	276	1427	3/0
48250X7L010M68	1x120 rm/16	41	348	1550	4/0
48250X7L010M69	1x150 rm/25	42	435	1770	250 MCM
48250X7L010M70	1x185 rm/25	45	537	1939	350 MCM
48250X7L010M71	1x240 rm/25	50	696	2189	450 MCM
48250X7L010M72	1x300 rm/25	51	870	2458	550 MCM
48250X7L010M73	1x400 rm/35	52	1160	2918	750 MCM
48250X7L010M74	1x500 rm/35	53	1450	3343	1000 MCM
48250X7L010M75	1x630 rm/35	57	1827	3450	1150 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.

INDUSTRIAL MEDIUM VOLTAGE CABLES

NA2XS(FL)2Y 6/10 kV, 12/20 kV, 18/30 kV

Pe-jacket and WATER TIGHT,Alu conductor



ELETTROTEK KABEL® NA2XSFL2Y







Construction:

Conductor:	stranded plain aluminium conductor Cl.2 acc.to IEC 60228
Insulation:	XLPE,type DIX 8
Screen:	red copper wires and one or two copper tape(s) applied helically
Wrapping:	semi-conductive watertight tape
Radial protection:	aluminium tape
Outer sheath:	black (RAL 9005),PE type DMP 2

Features:

Water resistant

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

Technical data:

Nominal voltage:	6/10 kV, 12/20 kV, 18/30 kV
Test voltage:	6/10 kV = 17 kV 12/20 kV= 29 kV 18/30 kV = 45 kV
Temperature range:	- 20 °C / + 70 °C

Applications:

Heavy duty rubber cable are suited as a connecting cable for very high mechanical stress in underground mining and tools for use in industries and outdoor use. They are also.

6/10 kV

Part no.	No.of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Alu weight kg/km	Cable weight approx. kg/km	AWG no.*)
48260Q7L010M64	1 X 35 rm / 16	25	94	683	2
48260Q7L010M65	1 X 50 rm / 16	28	127	745	1
48260Q7L010M66	1 X 70 rm / 16	30	183	846	2/0
48260Q7L010M67	1 X 95 rm / 16	31	254	961	3/0
48260Q7L010M68	1 X 120 rm / 16	32	321	1064	4/0
48260Q7L010M69	1 x 150 rm / 25	35	435	1156	250 MCM
48260Q7L010M70	1 x 185 rm / 25	37	495	1409	350 MCM
48260Q7L010M71	1 x 240 rm / 25	39	649	1850	450 MCM
48260Q7L010M72	1 x 300 rm / 25	40	812	2466	550 MCM
48260Q7L010M73	1 x 400 rm / 35	44	1043	2466	750 MCM
48260Q7L010M74	1 x 500 rm / 35	47	1374	2599	1000 MCM

INDUSTRIAL MEDIUM VOLTAGE CABLES

NA2XS(FL)2Y 6/10 kV, 12/20 kV, 18/30 kV

Pe-jacket and WATER TIGHT, Alu conductor



ELETTROTEK KABEL® NA2XSFL2Y

12/20 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Alu weight kg/km	Cable weight approx. kg/km	AWG no. *)
48260U7L010M65	1 X 50 rm / 16	30	127	927	1
48260U7L010M66	1 X 70 rm / 16	32	183	1039	2/0
48260U7L010M67	1 X 95 rm / 16	35	254	1165	3/0
48260U7L010M68	1 X 120 rm / 16	37	321	1194	4/0
48260U7L010M69	1 x 150 rm / 25	39	435	1487	250 MCM
48260U7L010M70	1 x 185 rm / 25	40	495	1644	350 MCM
48260U7L010M71	1 x 240 rm / 25	42	649	1876	450 MCM
48260U7L010M72	1 x 300 rm / 25	45	812	2114	550 MCM
48260U7L010M73	1 x 400 rm / 35	47	1043	2537	750 MCM
48260U7L010M74	1 x 500 rm / 35	50	1374	2919	1000 MCM

18/30 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Alu weight kg/km	Cable weight approx. kg/km	AWG no. *)
48260X7L010M65	1 X 50 rm / 16	36	127	1064	1
48260X7L010M66	1 X 70 rm / 16	38	183	1289	2/0
48260X7L010M67	1 X 95 rm / 16	40	254	1427	3/0
48260X7L010M68	1 X 120 rm / 16	41	321	1550	4/0
48260X7L010M69	1 x 150 rm / 25	42	435	1770	250 MCM
48260X7L010M70	1 x 185 rm / 25	45	495	1939	350 MCM
48260X7L010M71	1 x 240 rm / 25	47	649	2189	450 MCM
48260X7L010M72	1 x 300 rm / 25	49	812	2458	550 MCM
48260X7L010M73	1 x 400 rm / 35	51	1043	2918	750 MCM
48260X7L010M74	1 x 500 rm / 35	55	1374	3343	1000 MCM

* For cables laying in earth a screen-cross section of 16 mm is permitted.

Other dimensions and colours available on request.