

LIFT CABLES

COMBI/BASKET LIFT 73 I

Control cable hoisting cages in crane systems

ELETTROTEK KABEL® COMBI/BASKET LIFT 73 I



Suitable for spreader application

Construction:

Conductor:	flexible red copper conductor Cl. 6, acc. to IEC 60228, DIN VDE 0295
Insulation:	PVC type YK cold resistant
Cores color:	black cores with consecutive numbers acc. to EN 50334 + green/yellow
Central unit:	Kevlar
Outer sheath:	black (similar to RAL 9005), special PVC type YK cold resistant

Resistance:



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



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

Technical data:

Nominal voltage:	
<i>Control:</i>	U ₀ /U 300/500 V
<i>Power:</i>	U ₀ U 0,6/1 kV
Test voltage:	
<i>Control:</i>	2 kV
<i>Power:</i>	4 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +70°C
<i>Flexible application:</i>	-20°C up to +70°C
Min. bending radius:	10 x D
Max speed (main application):	250 m/min

Features:

vertical use
resistant to low temperatures
for SPEED see pages from 2 to 4 of catalogue
RoHS and CE approval



Applications:

this hybrid cable is used for current carrying in the control system of vertical lifts using in buildings industry.

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.®)
07010G70059900	5G2,5 + 10x1	20	220	306	14
07010G70059901	5G2,5 + 11x1	20	225,6	320	14
07010G70039902	3G4 + 7x1	17,4	184	360	12
07010G70049903	4G6 + 9x1	20,5	330	555	10
07010G70049904	4G6 + 11x1	21	340	575	10
07010G70049905	4G6 + 15x1	22	388	625	10
07010G70049906	4G10 + 10x1	25	480	870	8
07010G70049907	4G16 + 6x1	26,1	700	1250	6
07010G70049908	4G16 + 10x1	29	710	1300	6
07010G70049909	4G16 + 15x1	31,5	760	1380	6
07010G70049910	4G16 + 1x2,5 + 4x1	28,5	830	1460	6
07010G70059911	5G4 + 5x2x1,5	26,1	336	832,7	12
07010G70059912	5G6 + 5x2x1,5	28,6	432	1021,5	10
07010G70059913	5G10+2,5x1,5	30,9	634	1316,8	8
07010G70059914	5G4+8x1,5	25,6	307,2	784,4	12
07010G70059915	5G6+8x1,5	26,9	403,2	916,8	10
07010G70061M25	6G2,5	14	144	313,8	14

Other dimensions and colors available on request.

LIFT CABLES

PV-FLAT H05VVH6-F/LIFT

ELETTROTEK KABEL® PV-FLAT H05VVH6-F/LIFT



Construction:

- Conductor:** flexible red copper conductor Cl. 6, acc. to IEC 60228, DIN VDE 0295
- Insulation:** PVC special compound
- Stranding:** parallel cores laying
- Cores color:** acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
- Outer sheath:** black (similar to RAL 9005), special PVC compound

Resistance:



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



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

Technical data:

- Nominal voltage:** U₀/U 300/500 V (up to 1 mm²)
- Test voltage:** 2 kV
- Temperature range:**
- Fixed laying:* -40°C up to +80°C
- Flexible application:* -5°C up to +70°C
- Min. bending radius:** 10 x D
- Max speed (main application):** 120 m/min
- Radiation resistance:** up to 80 x 10⁶ cJ/kg (up to 80 mrad)

Features:

- high flexibility
- for SPEED see pages from 2 to 4 of catalogue
- RoHS and CE approval



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.*)
07020D72041M07	4G0,75	4,3 x 12,6	28,8	90	19
07020D72051M07	5G0,75	4,3 x 16,1	36	115	19
07020D70061M07	6G0,75	4,3 x 19,4	43,2	141	19
07020D70081M07	8G0,75	4,3 x 26,4	64,8	198	19
07020D70091M07	9G0,75	-	58	190	19
07020D70101M07	10G0,75	4,3 x 30,1	72	224	19
07020D70121M07	12G0,75	4,3 x 33,8	84,4	258	19
07020D70161M07	16G0,75	4,3 x 44,4	115,2	340	19
07020D70181M07	18G0,75	4,3 x 49,2	129,6	380	19
07020D70201M07	20G0,75	4,3 x 55	144	424	19
07020D70241M07	24G0,75	4,3 x 65,6	172,8	509	19
07020D72031M10	3G1	4,5 x 10,8	28,8	80	18
07020D72041M10	4G1	4,5 x 13,4	38,4	104	18
07020D72051M10	5G1	4,5 x 16	48	134	18
07020D70061M10	6G1	4,5 x 20,6	57,6	161	18
07020D70081M10	8G1	-	77	220	18
07020D70091M10	9G1	4,5 x 28,4	86,4	230	18
07020D70101M10	10G1	4,5 x 30	96	256	18
07020D70121M10	12G1	4,5 x 36,2	115,2	298	18
07020D70161M10	16G1	4,5 x 47,6	153,6	395	18
07020D70181M10	18G1	4,5 x 52,8	172,8	441	18
07020D70201M10	20G1	4,5 x 59	192	495	18
07020D70241M10	24G1	4,5 x 70,4	230,4	590	18

Other dimensions and colors available on request.

ROUND LIFT 732

Flexible, rubber cables, with support again

ELETTROTEK KABEL® ROUND LIFT 732

Construction:

Conductor:	flexible red copper conductor Cl. 6, acc. to IEC 60228, DIN VDE 0295
Insulation:	rubber compound
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Central unit:	high-tech yarns
Stranding:	in layers
Wrapping:	non-woven tape
Outer sheath:	black (similar to RAL 9005), rubber compound

Resistance:



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



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

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Test voltage:	3 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-25°C up to +60°C
Min. bending radius:	12,5 x D

Features:

UV, ozone, abrasion and oil resistant
high notch resistant
RoHS and CE approval



Applications:

as a robust and weather resistant cable for
machines, equipment, which are constantly
exposed to outdoor weather conditions
(lift, building machinery,
conveyor hoist systems etc.).conveyor hoist sysytems

LIFT CABLES

ROUND LIFT 732

Flexible, rubber cables, with support again

ELETTROTEK KABEL® ROUND LIFT 732

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.*)
03130D73020M10	2x1	7,5	19,2	90	18
03130D72031M10	3G1	8,5	28,8	111	18
03130D72041M10	4G1	9,7	38,4	141	18
03130D72051M10	5G1	11,5	48	170	18
03130D70061M10	6G1	13,4	57,6	187	18
03130D70071M10	7G1	13,8	67,2	204	18
03130D70091M10	9G1	15,8	86,4	274	18
03130D70121M10	12G1	17,5	115,2	389	18
03130D70161M10	16G1	19,2	153,6	432	18
03130D70181M10	18G1	21,5	172,8	471	18
03130D70191M10	19G1	22	182,4	565	18
03130D70201M10	20G1	22,4	192	590	18
03130D70241M10	24G1	23,6	230,4	650	18
03130D70301M10	30G1	24,6	288	785	18
03130D70361M10	36G1	29,0	345,6	910	18
03130D70371M10	37G1	30,5	355,2	936	18
03130D70481M10	48G1	31,4	460,8	1244	18
03130D70501M10	50G1	32,6	480	1296	18
03130D70541M10	54G1	32,9	518,4	1399	18
03130D70611M10	61G1	37,2	585,6	1495	18
03130D73020M15	2x1,5	8,5	28,8	95	16
03130D72031M15	3G1,5	9,3	43,2	113	16
03130D72041M15	4G1,5	10,5	57,6	150	16
03130D72051M15	5G1,5	12,5	72	180	16
03130D70061M15	6G1,5	14,3	86,4	245	16
03130D70071M15	7G1,5	14,8	100,8	309	16
03130D70081M15	8G1,5	15,8	115,2	333	16
03130D70091M15	9G1,5	17,7	129,6	360	16
03130D70101M15	10G1,5	18,5	144	405	16
03130D70111M15	11G1,5	20,1	158,4	458	16
03130D70121M15	12G1,5	21,6	172,8	516	16
03130D70131M15	13G1,5	22,1	187,2	-	16
03130D70151M15	15G1,5	22,8	216	590	16
03130D70181M15	18G1,5	23,6	259,2	620	16
03130D70191M15	19G1,5	24,1	273,6	670	16
03130D70241M15	24G1,5	27	345,6	817	16
03130D70371M15	37G1,5	31	532,8	1220	16
03130D70421M15	42G1,5	33	604,8	1380	16
03130D70481M15	48G1,5	34,9	691,2	1510	16
03130D70501M15	50G1,5	36,7	720	1642	16
03130D70611M15	61G1,5	41,8	878,4	1950	16
03130D73020M25	2x2,5	10	48	142	14
03130D72031M25	3G2,5	10,5	72	172	14
03130D72041M25	4G2,5	11,6	96	210	14
03130D72051M25	5G2,5	12,9	120	255	14
03130D70061M25	6G2,5	14,5	144	318	14
03130D70071M25	7G2,5	16,2	168	383	14
03130D70081M25	8G2,5	16,8	192	450	14
03130D70091M25	9G2,5	21,5	216	541	14
03130D70111M15	11G2,5	23,3	264	638	14
03130D70121M25	12G2,5	25,4	288	690	14
03130D70161M25	16G2,5	24,4	384	813	14
03130D70181M25	18G2,5	26,3	432	891	14
03130D70191M25	19G2,5	27,5	456	946	14
03130D70241M25	24G2,5	30,5	576	1221	14
03130D70361M25	36G2,5	33,5	864	1737	14
03130D70371M25	37G2,5	40,8	888	1784	14
03130D70481M25	48G2,5	41,9	1152	2500	14
03130D70501M25	50G2,5	43,3	1200	2630	14
03130D70611M25	61G2,5	49,3	1464	8100	14

LIFT CABLES

ROUND LIFT 732

Flexible, rubber cables, with support again

ELETTROTEK KABEL® ROUND LIFT 732

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.*)
03130D72031M40	3G4	13,6	115,2	372	12
03130D72041M40	4G4	15,0	153,6	407	12
03130D72051M40	5G4	17,1	192,0	432	12
03130D70071M40	7G4	21,5	268,8	495	12
03130D72031M60	3G6	13,9	172,8	380	10
03130D72041M60	4G6	15,2	230,4	445	10
03130D72051M60	5G6	18,2	288	569	10
03130D70071M60	7G6	21,1	403,2	702	10
03130D72031M61	3G10	18,1	288	530	8
03130D72041M61	4G10	20,6	384	724	8
03130D72051M61	5G10	22,6	480	923	8
03130D70071M61	7G10	27,4	672	1288	8
03130D72031M62	3G16	21,3	460,8	865	6
03130D72041M62	4G16	25,2	614,4	1028	6
03130D72051M62	5G16	26,5	768	1260	6

Other dimensions and colors available on request.

ROUND LIFT 733

lift control cable up to 60 mt.



ELETTROTEK KABEL® ROUND LIFT 733



Construction:

Conductor:	flexible red copper conductor Cl. 6, acc. to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 535
Cores color:	black cores with consecutive numbers acc. to EN 50334 + green-yellow
Central unit:	sisal cord
Stranding:	in layers
Wrapping:	non-woven tape over each layer
Supporting screen:	special anti-twisting protection
Outer sheath:	black (similar to RAL 9005), special thermoplastic compound

Resistance:



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



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

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Test voltage:	2 kV
Temperature range:	
<i>Fixed laying:</i>	-50°C up to +90°C
<i>Flexible application:</i>	-40°C up to +90°C
Min. bending radius:	15 x D
Max. suspended height:	up to 60 mt.
Max. Resistance at 20°C:	19,5 Ohm/km

Features:

possible with integrated bus cable
RoHS and CE approval



Applications:

Used in the highest safety requirements

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.®)
07030D70071M10	7G1	12	67,2	190	18
07030D70241M10	24G1	22,5	230,4	600	18
07030D70301M10	30G1	23,5	288	720	18

Other dimensions and colors available on request.

LIFT CABLES

PENDANT ROUND LIFT 733 UL

pendant control cable up to 60 mt.



ELETTROTEK KABEL® PENDANT ROUND LIFT 733 UL
UL type MTW VW-1, UL 90°C 600 V,
CSA AWM I/II A/B 90°C 600 V FT1



Construction:

Conductor:	finely stranded red copper acc.to ASTM B-3 or ASTM B-174
Insulation:	PVC/Nylon special compound
Cores color:	acc. to ICEA Method 1-E2 (K-2)
Central unit:	PVC filler
Stranding:	in layers
Wrapping:	mylar tape
Outer sheath:	yellow (similar to RAL 1021), PVC compound

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2
UL type MTW, VW-1,
CSA AWM, FT-1

Technical data:

Nominal voltage:	U ₀ /U 600 V
Test voltage:	2 kV
Temperature range:	(UL) / c(UL)
<i>Fixed laying:</i>	-25°C up to +90°C
<i>Flexible application:</i>	-25°C up to +90°C
Min. bending radius:	10 x D

Features:

UL 90°C 600 V
CSA AWM I/II A/B 90°C 600 V

Part no.	No. of cores x cross section n x mm ²	Outer-Ø inches/mm ± 10%	Cable weight approx. Lbs/Mft-kg/km	Max. tensile strength N	AWG no.®)
07050FYU081A16	8G1,5	0,479 - 12,2	158 - 235	1000	16
07050FYU121A16	12G1,5	0,566 - 14,4	217 - 323	1000	16
07050FYU161A16	16G1,5	0,605 - 15,4	255 - 380	1000	16
07050FYU241A16	24G1,5	0,755 - 19,2	-	1000	16
07050FYU301A16	30G1,5	0,803 - 20,4	-	1000	16
07050FYU361A16	36G 1,5	0,905 - 23	-	1000	16

Other dimensions and colors available on request.

ROUND LIFT 734

lift control cable up to 200 mt.



ELETTROTEK KABEL® ROUND LIFT 734

Construction:

Conductor:	flexible red copper conductor Cl. 6, acc. to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 535
Cores color:	black cores with consecutive numbers acc. to EN 50334 + green-yellow
Central unit:	steel element
Stranding:	in layers
Wrapping:	non-woven tape over each layer
Supporting screen:	special anti-twisting protection
Outer sheath:	black (similar to RAL 9005), special thermoplastic compound

Resistance:



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



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

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Test voltage:	2 kV
Temperature range:	
<i>Fixed laying:</i>	-50°C up to +90°C
<i>Flexible application:</i>	-40°C up to +90°C
Min. bending radius:	15 x D
Max. suspended height:	up to 200 mt.
Max. Resistance at 20°C:	19,5 Ohm/km

Features:

possible with integrated bus cable
RoHS and CE approval



Applications:

used in the highest safety requirements

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.*)
07040D70241M10	24x1	19	230,4	600	18
07040D70301M10	30x1	21,3	288	775	18

Other dimensions and colors available on request.



MINING CABLES



FLEXIMINING® R 400 WATER PROOF

Rubber Sheathed cable, water proof AD8

ELETTROTEK KABEL® FLEXIMINING® R 400 WATER PROOF



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 530
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Inner sheath:	special water blocking compound
Outer sheath:	blue (similar to RAL 5015), rubber PCP type EM2, acc. to DIN VDE 0282 part. 1

Resistance:



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

Technical data:

Nominal voltage:	U ₀ /U 450/750 V
Test voltage:	2,5 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +60°C
<i>Flexible application:</i>	-15°C up to +60°C
<i>In service:</i>	up to +80°C
<i>In short circuit</i>	up to +250°C
Min. bending radius:	
<i>Fixed laying:</i>	4 x D
<i>Flexible installation:</i>	6 x D
Tensile strenght:	15 N/mm ²

Features:

dreadging application!

ozone and weather resistant

water proof AD8

installation in water up to 100 mt. depth

pressure up to 80 bars

on request 0,6/1 kV

for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue

RoHS and CE approval



MINING CABLES

FLEXIMINING® R 400 WATER PROOF

Rubber Sheathed cable, water proof AD8

ELETTROTEK KABEL® FLEXIMINING® R 400 WATER PROOF



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.*)
06100EBL010M15	1x1,5	6,4	14	50	16
06100EBL010M25	1x2,5	7,1	24	70	14
06100EBL010M40	1x4	8,1	38	100	12
06100EBL010M60	1x6	8,9	58	130	10
06100EBL010M61	1x10	10,7	96	200	8
06100EBL010M62	1x16	12,1	154	280	6
06100EBL010M63	1x25	14,2	240	400	4
06100EBL010M64	1x35	16,1	336	510	2
06100EBL010M65	1x50	18,5	480	710	1
06100EBL010M66	1x70	21	672	950	2/0
06100EBL010M67	1x95	23,4	912	1200	3/0
06100EBL010M68	1x120	25,7	1152	1500	4/0
06100EBL010M69	1x150	28,3	1440	1850	250 MCM
06100EBL010M70	1x185	31	1776	2220	350 MCM
06100EBL010M71	1x240	34,4	2304	2830	450 MCM
06100EBL010M72	1x300	37,6	2880	3470	550 MCM
06100EBL010M73	1x400	42,1	3840	4430	750 MCM
06100EB2031M15	3G1,5	10,5	43	150	16
06100EB2031M25	3G2,5	12,5	72	210	14
06100EB2031M40	3G4	14,5	115	280	12
06100EB2031M60	3G6	16	173	370	10
06100EB2031M61	3G10	21,7	288	660	8
06100EB2031M62	3G16	24,7	461	920	6
06100EB2031M63	3G25	29,5	720	1360	4
06100EB2031M64	3G35	33,2	1008	1820	2
06100EB2031M65	3G50	38,5	1440	2500	1
06100EB2031M66	3G70	43,3	2016	3350	2/0
06100EB2031M67	3G95	48,6	2736	4340	3/0
06100EB2031M68	3G120	53,7	3456	5230	4/0
06100EB2031M69	3G150	59	4320	6520	250 MCM
06100EB2031M70	3G185	64,5	5328	7950	350 MCM
06100EB2031M71	3G240	73,5	6912	10300	450 MCM
06100EB2031M72	3G300	81	8640	11700	550 MCM
06100EB2041M10	4G1	10,5	38	150	18
06100EB2041M15	4G1,5	11,5	58	190	16
06100EB2041M25	4G2,5	13,8	96	260	14
06100EB2041M40	4G4	16	154	350	12
06100EB2041M60	4G6	17,9	230	460	10
06100EB2041M61	4G10	23,7	384	830	8
06100EB2041M62	4G16	27	614	1190	6
06100EB2041M63	4G25	32,8	960	1720	4
06100EB2041M64	4G35	36,8	1334	2260	2
06100EB2041M65	4G50	42,5	1920	3140	1
06100EB2041M66	4G70	48,2	2688	4250	2/0
06100EB2041M67	4G95	54,7	3638	5500	3/0
06100EB2041M68	4G120	59,5	4608	6670	3/0
06100EB2041M69	4G150	65,5	5760	8390	250 MCM
06100EB2041M70	4G185	72	7104	10200	350 MCM
06100EB2041M71	4G240	81,5	9216	12500	450 MCM
06100EB0071M15	7G1,5	17	100	340	16
06100EB0071M25	7G2,5	19,5	168	530	14
06100EB0121M15	12G1,5	20	172,8	700	16
06100EB0121M25	12G2,5	23,4	288	960	14
06100EB0181M15	18G1,5	23,5	259	1360	16
06100EB0181M25	18G2,5	27,6	432	500	14
06100EB0241M15	24G1,5	27,5	346	720	16
06100EB0241M25	24G2,5	32,6	576	1050	14
06100EB0361M15	36G1,5	31,5	518	1350	16
06100EB0361M25	36G2,5	37,5	864	2360	14
06100EB0071M40	7x4	22,2	269	680	12
06100EB0121M40	12x4	27,7	461	1050	12
06100EB0181M40	18x4	32,6	691	1500	12

Other dimensions and colors available on request.

FLEXIMINING® R 401 WATER PROOF

PUR Sheathed cable, water proof AD8

ELETTROTEK KABEL® FLEXIMINING® R 401 WATER PROOF



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 590
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Central unit:	armid yarns
Inner sheath:	special water blocking compound
Outer sheath:	blue (similar to RAL 5015), special PUR compound

Resistance:



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

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	3,5 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-30°C up to +80°C
<i>In service:</i>	up to +90°C
<i>In short circuit</i>	up to +250°C
Min. bending radius:	
<i>Fixed laying:</i>	6 x D
<i>Flexible installation:</i>	8 x D
Tensile strenght:	15 N/mm ²

Features:

dreadging application!
ozone and weather resistant
water proof AD8
installation in water up to 100 mt. depth
on request other colors
for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue
RoHS and CE approval



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.*)
06110GB2041M25	4G2,5	-	96	-	14
06110GB2041M40	4G4	-	154	-	12
06110GB2041M60	4G6	-	230	-	10
06110GB2041M61	4G10	16,2	384	560	8
06110GB2041M62	4G16	20,5	614	890	6
06110GB2031M63	3x25+3G6	22,8	893	1250	4/10
06110GB2031M64	3x35+3G6	26,5	1181	1680	2/10
06110GB2031M65	3x50+3G10	30,5	1728	2250	1/8
06110GB2031M66	3x70+3G16	35,5	2476	3200	2/0 /6
06110GB2031M67	3x95+3G16	40,8	3197	4000	3/0 /6
06110GB2031M68	3x120+3G25	44	4176	5050	4/0 /4
06110GB2031M69	3x150+3G25	30,3	5040	6240	300 MCM /4
06110GB2031M70	3x185+3G35	55,5	6336	7800	350 MCM /2
06110GB2031M71	3x240+3G50	64,5	8350	10050	500 MCM /1

Other dimensions and colors available on request.

FLEXIMINING® R 500 VFD



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 590
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 3 phase cores: brown-black-gray
Earth conductor screen:	semi-conducting compound + red copper braid
Central unit:	armid yarns
Inner sheath:	thermoplastic compound
Supporting screen:	anti-twisting protection of fiber-glass braid
Outer sheath:	yellow (similar to RAL 1021), PUR compound

Resistance:



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

Technical data:

Nominal voltage:	Uo/U 0,6/1 kV
Test voltage:	
core/core:	3,5 kV x 15 min.
core/screen:	2 kV x 15 min.
Temperature range:	
Fixed laying:	-40°C up to +80°C
Flexible application:	-30°C up to +80°C
In service:	up to +90°C
In short circuit:	up to +250°C
Min. bending radius:	
Fixed laying:	6 x D
Flexible installation:	8 x D
Tensile strenght:	25 N/mm ²

Features:

tunneling machines!

weather, chemical and oil resistant

cable for reeling application with high mechanical stress

for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue

RoHS and CE approval



Applications:

cable for reeling applications with high
mechanical stress

FLEXIMINING® R 500 VFD
can be used in mining and tunneling machines

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	Tensile strength N	AWG no.®)
06120GY3030M63	3x25+3x25/3E	28,2	960	1700	1500	4/4
06120GY3030M64	3x35+3x25/3E	32	1248	2200	2100	2/4
06120GY3030M65	3x50+3x25/3E	35	1680	2900	3000	1/4
06120GY3030M66	3x70+3x35/3E	39,7	2352	3950	4200	2/0
06120GY3030M67	3x95+3x50/3E	45,5	3216	5100	5700	3/0 /1
06120GY3030M68	3x120+3x70/3E	49,2	4128	6350	7200	4/0 / 2/0
06120GY3030M69	3x150+3x70/3E	55	4992	7470	-	300 MCM / 2/0
06120GY3030M70	3x185+3x95/3E	59	6240	9180	-	350 MCM / 3/0
06120GY3030M71	3x240+3x120/3E	65	8064	11200	-	500 MCM / 4/0

Other dimensions and colors available on request.

FLEXIMINING® R 500 SWBA



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 590
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 3 conductors + 3 earth conductors: grey, brown, black and green/yellow divided in interstices 4 cores: green/yellow, brown, black, grey Control cores: white with printed numbers
Central unit:	armid yarns
Inner sheath:	thermoplastic compound
Armouring:	braid of galvanized steel wires
Outer sheath:	yellow (similar to RAL 1021), PUR compound

Resistance:



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

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	
<i>core/core:</i>	3,5 kV x 15 min.
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-30°C up to +80°C
<i>In service:</i>	up to +90°C
<i>In short circuit</i>	up to +250°C
Min. bending radius:	
<i>Fixed laying:</i>	6 x D
<i>Flexible installation:</i>	8 x D
Tensile strenght:	20 N/mm ²

Features:

tunneling machines!

weather, chemical and oil resistant

cable for reeling application with high mechanical stress

for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue

RoHS and CE approval



Applications:

cable for reeling applications with high
mechanical stress

FLEXIMINING® R 500 VFD SWBA
can be used in mining and tunneling machines

MINING CABLES

FLEXIMINING® R 500 SWBA



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	Tensile strength N	AWG no.*)
06130GY2041M25	4G2,5	13,9	96	325	200	14
06130GY2041M40	4G4	15,2	153,6	415	320	12
06130GY2041M60	4G6	16,7	230,4	548	480	10
06130GY2041M61	4G10	20,5	384	830	800	8
06130GY2041M62	4G16	24,5	614,4	1220	1280	6
06130GY2041M63	4G25	29	960	1480	2000	4
06130GY2041M64	4G35	33,5	1344	1760	2800	2
06130GY2041M65	4G50	38	1920	2100	4000	1
06130GY2041M66	4G70	43	2688	2520	5600	2/0
06130GY2037M63	3x25+3G6	27	892,8	1600	1500	4
06130GY2037M64	3x35+3G6	31	1180,8	2100	2100	2
06130GY2037M65	3x50+3G10	34,5	1728	2850	3000	1
06130GY2037M66	3x70+3G16	39,5	2476,8	3900	4200	2/0
06130GY2037M67	3x95+3G16	45	3196,8	5100	5700	3/0
06130GY2037M68	3x120+3G25	49,5	4176	6350	7200	4/0
06130GY2037M69	3x150+3G25	56	5040	7800	9000	250 MCM
06130GY2037M70	3x185+3G35	61	6336	9600	11100	350 MCM
06130GY2037M70	3x240+3G50	70	8354	12550	14400	450 MCM
06130GY2037M71	3x300+3G50	73,5	10080	14550	18000	550 MCM
06130GY2051M25	5G2,5	14,7	120	375	250	16
06130GY2051M40	5G4	16,7	192	500	400	16
06130GY2051M60	5G6	18,7	288	660	600	16
06130GY2051M61	5G10	22	480	1000	1000	16
06130GY2051M62	5G16	26	768	1450	1600	16
06130GY2051M63	5G25	31,2	1200	2030	2500	16
06130GY2051M64	5G35	35,2	1680	2685	3500	16
06130GYA070M15	7G1,5	15,2	100,8	375	210	16
06130GYA120M15	12G1,5	19,7	172,8	530	360	16
06130GYA180M15	18G1,5	19,7	259,2	580	540	16
06130GYA240M15	24x1,5	23,2	345,6	960	720	14
06130GYA070M25	7G2,5	17	168	520	350	14
06130GYA120M25	12G2,5	21	288	780	600	14
06130GYA180M25	18G2,5	22,5	432	1090	900	14
06130GYA190M25	19G2,5	24,5	456	1120	950	14
06130GYA240M25	24G2,5	26,5	576	1240	1200	14
06130GYA270M25	27G2,5	28,5	648	1530	1350	14
06130GYA370M25	37x2,5	32	888	1950	1850	14

Other dimensions and colors available on request.

FLEXIMINING® NSSHÖU



ELETTROTEK KABEL® FLEXIMINING® NSSHÖU 0,6/1 kV

Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber EPR type 3GI3 acc. to DIN VDE 0207
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores, or: acc. to DIN VDE 0293-308, HD 308 S2 3 conductors + 1 earth conductors: grey, brown, black and green/yellow, or: acc. to DIN VDE 0293-308, HD 308 S2 3 conductors + 3 earth conductors: grey, brown, black and green/yellow divided in interstices
Stranding:	in layers around central unit with short lay-length
Inner sheath:	rubber EPR type GM1b
Outer sheath:	yellow (similar to RAL 1021), rubber PCP type 5GM5 acc. to DIN VDE 0207 part 21

Resistance:



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



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

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	3 kV
Max. operating voltage:	A.C. U ₀ /U = 0,7/1,2 kV D.C. U ₀ /U = 0,9/1,8 kV
Temperature range:	
Fixed laying:	-40°C up to +80°C
Flexible application:	-25°C up to +80°C
Min. bending radius:	
Fixed laying:	4x D
Flexible installation:	5 x D
Tensile strenght:	
Static:	15 N/mm ²
Insulation resistance:	> 20 MOhm*km

Features:

mining Excavator!

weather, ozone, abrasion and oil resistant

high insulation resistance

resistant against hot penetration

high notch resistance

resistant against oils fat and chemicals

MSHA, GOST-R and WUG approvals on request

for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue

RoHS and CE approval



Applications:

For application in underground mines

MINING CABLES

FLEXIMINING® NSSHÖU



ELETTROTEK KABEL® FLEXIMINING® NSSHÖU 0,6/1 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	Tensile strength N	AWG no.)*
05010GYL010M62	1x16	11,4	154	230	240	6
05010GYL010M63	1x25	13,8	240	350	375	4
05010GYL010M64	1x35	14,9	336	455	525	2
05010GYL010M65	1x50	17,2	480	625	750	1
05010GYL010M66	1x70	19	672	825	1050	2/0
05010GYL010M67	1x95	21,5	912	1080	1425	3/0
05010GYL010M68	1x120	23,7	1152	1340	1800	4/0
05010GYL010M69	1x150	25,9	1440	1650	2250	250 MCM
05010GYL010M70	1x185	28,9	1776	2040	2775	350 MCM
05010GYL010M71	1x240	31,9	2304	2680	3600	450 MCM
05010GYL010M72	1x300	36,2	2880	3370	4500	550 MCM
05010GY3020M15	2x1,5	11,8	29	160	45	16
05010GY3020M25	2x2,5	26,2	48	210	75	14
05010GY3020M40	2x4	15,5	77	300	120	12
05010GY3020M60	2x6	16,6	115,2	360	-	10
05010GY3020M61	2x10	19,9	192	550	-	8
05010GY3020M62	2x16	22,3	307,2	730	-	6
05010GY3020M63	2x25	26,8	480	1100	-	4
05010GY3020M64	2x35	28,9	67,2	1230	-	2
05010GY2031M15	3G1,5	12,3	43	180	68	16
05010GY3030M25	3x2,5	13,7	72	240	113	14
05010GY2031M25	3G2,5	13,7	72	240	113	14
05010GY3030M40	3x4	16,3	115	355	180	12
05010GY2031M40	3G4	16,3	115	355	180	12
05010GY3030M60	3x6	17,5	173	425	270	10
05010GY2031M60	3G6	17,5	173	425	270	10
05010GY3030M61	3x10	21,1	288	670	450	8
05010GY3030M62	3x16	23,6	461	900	720	6
05010GY3030M63	3x25	28	720	1330	1125	4
05010GY3030M64	3x35	32	1008	1800	1575	2
05010GY3030M65	3x50	36,1	1440	2390	2250	1
05010GY3030M66	3x70	42,3	2016	3280	3150	2/0
05010GY3030M67	3x95	48,3	2736	4320	4275	3/0
05010GY3030M68	3x120	49,3	3456	4910	5400	4/0
05010GY2041M15	4G1,5	13,2	58	215	90	16
05010GY2041M25	4G2,5	15,9	96	325	150	14
05010GY2041M40	4G4	17,4	154	415	240	12
05010GY2041M60	4G6	21,2	230	515	360	10
05010GY2041M61	4G10	24,6	384	815	600	8
05010GY2041M62	4G16	28,8	614	1170	960	6
05010GY2041M63	4G25	34,6	960	1730	1500	4
05010GY2041M64	4G35	38,9	1344	2220	2100	2
05010GY2041M65	4G50	45,1	1920	3150	3000	1
05010GY2041M66	4G70	45,9	2688	4110	4200	2/0
05010GY2041M67	4G95	52,4	3648	5400	5700	3/0
05010GY2041M68	4G120	58,2	4608	6760	7200	4/0
05010GY2051M15	5G1,5	14,1	72	255	113	16
05010GY2051M25	5G2,5	17	120	385	188	14
05010GY2051M40	5G4	18,7	192	505	300	12
05010GY2051M60	5G6	24,6	288	660	450	10
05010GY2051M61	5G10	28,8	480	980	750	8
05010GY2051M62	5G16	34,6	768	1420	1200	6
05010GY2051M63	5G25	38,9	1200	2120	1875	4
05010GY2051M64	5G35	45,1	1680	2800	-	2
05010GY2051M65	5G50	51,7	2400	3850	-	1
05010GY0071M15	7G1,5	17,6	101	370	158	16
05010GY0121M15	12G1,5	20,3	173	535	315	16
05010GY0181M15	18G1,5	22,9	202	710	427	16
05010GY0071M25	7G2,5	19,08	192	510	300	14
05010GY0121M25	12G2,5	23,4	288	750	450	14
05010GY0181M25	18G2,5	27,1	432	1060	675	14

MINING CABLES

FLEXIMINING® NSSHÖU



ELETTROTEK KABEL® FLEXIMINING® NSSHÖU 0,6/1 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	Tensile strength N	AWG no.*)
05010GY2035M63	3x25/16	28,2	874	1460	1125	4
05010GY2035M64	3x35/25	32,5	1248	2020	1575	2
05010GY2035M65	3x50/25	39	1680	2840	2250	1
05010GY2035M66	3x70/35	42,9	2352	3650	3150	2/0
05010GY2035M67	3x95/50	50,4	3216	4880	4275	3/0
05010GY2035M68	3x120/70	56,1	4128	6260	5400	4/0
05010GY2035M69	3x150/70	57,4	4992	7080	6750	250 MCM
05010GY2035M70	3x185/95	63,8	6240	8740	8325	350 MCM
05010GY2035M71	3x240/120	69,9	8064	10820	10800	450 MCM
05010GY2035M72	3x300/150	74,6	10080	12950	13500	550 MCM
05010GY2037M40	3x4+3G4/3	18,6	153,6	500	180	12
05010GY2037M60	3x6+3G6/3	20,1	230,4	630	270	10
05010GY2037M61	3x10+3G10/3	24,5	384	950	450	8
05010GY2037M62	3x16+3G16/3	26,4	614,4	1225	720	6
05010GY2037M63	3x25+3G16/3	29,9	873,6	1605	1125	4
05010GY2037M64	3x35+3G16/3	31	1161,6	1875	1575	2
05010GY2037M65	3x50+3G25/3	36,7	1680	2660	2250	1
05010GY2037M66	3x70+3G35/3	40,3	2352	3520	3150	2/0
05010GY2037M67	3x95+3G50/3	46,9	3216	4580	4275	3/0
05010GY2037M68	3x120+3G70/3	49,1	4128	5710	5400	4/0
05010GY2037M69	3x150+3G70/3	54	4992	6650	6750	250 MCM
05010GY2037M70	3x185+3G95/3	59,7	6240	8240	8325	350 MCM
05010GY2037M71	3x240+3G120/3	65,8	8064	10390	10800	450 MCM
05010GY2037M72	3x300+3G150/3	72,2	10080	12570	13500	550 MCM

Other dimensions and colors available on request.

FLEXIMINING® (N)SHÖU



ELETTROTEK KABEL® FLEXIMINING® (N)SHÖU 0,6/1 kV

Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber EPR type 3GI3 acc. to DIN VDE 0207
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	in layers around central unit with short lay-length
Inner sheath:	rubber EPR type GM1b
Outer sheath:	black (similar to RAL 9005), rubber PCP type 5GM5 acc. to DIN VDE 0207 part 21

Technical data:

Nominal voltage:	Uo/U 0,6/1 kV
Test voltage:	3 kV
Max. operating voltage:	A.C. Uo/U = 0,7/1,2 kV D.C. Uo/U = 0,9/1,8 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-25°C up to +80°C
Min. bending radius:	
<i>Fixed laying:</i>	4 x D
<i>Flexible installation:</i>	5 x D
Tensile strenght:	
<i>Static:</i>	15 N/mm²
Insulation resistance:	> 20 MOhm*km

Resistance:



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



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

Features:

mining Excavator!

weather, ozone, abrasion and oil resistant

high insulation resistance

resistant against hot penetration

high notch resistance

resistant against oils fat and chemicals

MSHA, GOST-R and WUG approvals on request

for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue

RoHS and CE approval



Applications:

For application in open-cast mines

MINING CABLES

FLEXIMINING® (N)SHÖU



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	Tensile strength N	AWG no. *)
05020G7L010M62	1x16	10,6	154	235	240	6
05020G7L010M63	1x25	12,1	240	339	375	4
05020G7L010M64	1x35	13,4	336	431	525	2
05020G7L010M65	1x50	15,8	480	625	750	1
05020G7L010M66	1x70	17,7	672	838	1050	2/0
05020G7L010M67	1x95	19,8	912	1080	1425	3/0
05020G7L010M68	1x120	21,7	1152	1345	1800	4/0
05020G7L010M69	1x150	24,1	1440	1653	2250	250 MCM
05020G7L010M70	1x185	26,8	1776	2010	2775	350 MCM
05020G7L010M71	1x240	29,4	2304	2542	3600	450 MCM
05020G7L010M 72	1x300	33,4	2880	3210	4500	550 MCM
05020G73020M15	2x1,5	10,9	29	172	45	16
05020G73020M25	2x2,5	11,8	48	208	75	14
05020G73020M40	2x4	13	77	240	120	12
05020G72031M15	3G1,5	12,2	43	155	68	16
05020G73030M25	3x2,5	12,2	72	216	113	14
05020G72031M25	3G2,5	13,2	72	217	113	14
05020G73030M40	3x4	13,6	115	280	180	12
05020G72031M40	3G4	14,3	115	304	180	12
05020G73030M60	3x6	14,3	173	354	270	10
05020G72031M60	3G6	17,4	173	354	270	10
05020G73030M61	3x10	17,4	288	512	450	8
05020G73030M62	3x16	20,3	461	785	720	6
05020G73030M63	3x25	24,2	720	1170	1125	4
05020G73030M64	3x35	26,7	1008	1460	1575	2
05020G73030M65	3x50	31,2	1440	2070	2250	1
05020G73030M66	3x70	36,6	2016	2875	3150	2/0
05020G73030M67	3x95	42,7	2736	3815	4275	3/0
05020G73030M68	3x120	46,5	3456	5010	5400	4/0
05020G73030M69	3x150	52,3	4320	5902	6750	250 MCM
05020G72037M65	3x50+3x25/3	31,2	1680	2312	2250	1
05020G72037M66	3x70+3x25/3	36,6	2352	3280	3150	2/0
05020G72037M67	3x95+3x50/3	45,6	3216	4375	4275	3/0
05020G72037M68	3x120+3x50/3	46,5	4128	5460	5400	4/0
05020G72037M69	3x150+3x70/3	53,9	4992	6945	6750	250 MCM
05020G72037M70	3x185+3x95/3	56,8	6240	8282	8325	350 MCM
05020G72037M71	3x240+3x120/3	-	8064	-	-	450 MCM
05020G72037M72	3x300+3x150/3	74,7	10080	13238	13500	550 MCM

MINING CABLES

FLEXIMINING® (N)SHÖU



ELETTROTEK KABEL® FLEXIMINING® (N)SHÖU 0,6/1 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	Tensile strength N	AWG no.*)
05020G72041M15	4G1,5	12,1	58	212	90	16
05020G72041M25	4G2,5	13,1	96	235	150	14
05020G72041M40	4G4	14,1	154	345	240	12
05020G72041M60	4G6	16,2	230	450	360	10
05020G72041M61	4G10	18,7	384	670	600	8
05020G72041M62	4G16	22,9	614	1030	960	6
05020G72041M63	4G25	26,2	960	1475	1500	4
05020G72041M64	4G35	30,2	1344	1920	2100	2
05020G72041M65	4G50	35,4	1920	2620	3000	1
05020G72041M66	4G70	41,3	2688	3745	4200	2/0
05020G72041M67	4G95	46,6	3648	4820	5700	3/0
05020G72041M68	4G120	52,2	4608	6308	7200	4/0
05020G72041M69	4G150	57,2	5760	7568	9000	250 MCM
05020G72051M15	5G1,5	13	72	252	113	16
05020G72051M25	5G2,5	14	120	303	188	14
05020G72051M40	5G4	16	192	424	300	12
05020G72051M60	5G6	17,4	288	590	450	10
05020G72051M61	5G10	20,3	480	775	750	8
05020G72051M62	5G16	26,1	768	1310	1200	6
05020G72051M63	5G25	31,2	1200	1999	1875	4
05020G70071M15	7G1,5	14	101	272	158	16
05020G70081M15	8G1,5	14,9	115	320	180	16
05020G70071M25	7G2,5	16,8	168	410	225	14
05020G70101M15	10G1,5	16,8	144	420	270	16
05020G70121M15	12G1,5	17,1	173	505	315	16
05020G70141M15	14G1,5	18,1	202	610	427	16
05020G70191M15	19G1,5	20,2	274	405	263	16
05020G70081M25	8G2,5	16,2	192	440	300	14
05020G70101M25	10G2,5	17,1	240	520	375	14
05020G70121M25	12G2,5	18,7	288	570	450	14
05020G70141M25	14G2,5	18,6	336	656	525	14
05020G70181M25	18G2,5	20	432	852	675	14
05020G70191M25	19G2,5	22,5	466	910	712	14
05020G70241M25	24G2,5	23,6	576	1015	900	14
05020G71120M40	12x4	24,1	461	820	720	12
05020G71120M60	12x6	25,2	691	1120	1080	10

Other dimensions and colors available on request.

FLEXIMINING® (N)SSHÖU 3E/3E+ST/KON

Rubber-sheathed flexible cable, with copper core screen



ELETTROTEK KABEL® FLEXIMINING® NSSHÖU 3E+ST

ELETTROTEK KABEL® FLEXIMINING® NSSHÖU KON

Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber EPR type 3GI3
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 3 phase cores: brown-black-gray
Earth conductors:	tinned copper wires laying concentric around each power cores
Inner sheath:	rubber EPR type GM1b
Monitoring conductor (KON):	tinned copper wires laying concentric around inner and outer sheath
Outer sheath:	yellow (similar to RAL 1021), rubber PCP type 5GM5

Resistance:



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



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

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	3 kV
Max. operating voltage:	A.C. U ₀ /U = 0,7/1,2 kV D.C. U ₀ /U = 0,9/1,8 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-25°C up to +80°C
Min. bending radius:	
<i>Fixed laying:</i>	4 x D
<i>Flexible installation:</i>	5 x D
Tensile strenght:	
<i>Static:</i>	15 N/mm ²
Insulation resistance:	> 20 MOhm*km

Features:

mining Excavator!

weather, ozone, abrasion and oil resistant

high insulation resistance

resistant against hot penetration

high notch resistance

resistant against oils fat and chemicals

MSHA, GOST-R and WUG approvals on request

for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue

RoHS and CE approval



MINING CABLES

FLEXIMINING® (N)SSHÖU 3E/3E+ST/KON

Rubber-sheathed flexible cable, with copper core screen



NSSHÖU.../3E

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strength N	AWG no.*)
05030GY3030M15	3x1,5+3x1,5/3E	13	290	68	16
05030GY3030M25	3x2,5+3x2,5/3E	15	335	113	14
05030GY3030M40	3x4+3x4/3E	17,5	500	180	12
05030GY3030M60	3x6+3x6/3E	19	600	270	10
05030GY3030M61	3x10+3x10/3E	23	885	450	8
05030GY3030M62	3x16+3x16/3E	27	1240	720	6
05030GY3030M63	3x25+3x16/3E	31	1720	1125	4
05030GY3030M64	3x35+3x16/3E	35	2240	1575	2
05030GY3030M65	3x50+3x25/3E	40,5	3160	2250	1
05030GY3030M66	3x70+3x35/3E	45	3960	3150	2/0
05030GY3030M67	3x95+3x50/3E	51	5070	4275	3/0
05030GY3030M68	3x120+3x70/3E	57	6460	5400	4/0
05030GY3030M69	3x150+3x70/3E	63	7590	6750	250 MCM
05030GY3030M70	3x185+3x95/3E	67,5	9330	8325	350 MCM

NSSHÖU.../3E+ST

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strength N	AWG no.*)
05040GY3037M25	3x2,5+3x2,5/3E+3x1,5ST	18,5	520	113	14
05040GY3037M40	3x4+3x4/3E+3x1,5ST	19,5	600	180	12
05040GY3037M60	3x6+3x6/3E+3x1,5ST	20	670	270	10
05040GY3037M61	3x10+3x10/3E+3x2,5ST	23,5	1010	450	8
05040GY3037M62	3x16+3x16/3E+3x2,5ST	27	1290	720	6
05040GY3037M63	3x25+3x16/3E+3x2,5ST	31	1780	1125	4
05040GY3037M64	3x35+3x16/3E+3x2,5ST	35	2300	1575	2
05040GY3037M65	3x50+3x25/3E+3x2,5ST	40,5	3200	2250	1
05040GY3037M66	3x70+3x35/3E+3x2,5ST	45	4010	3150	2/0
05040GY3037M67	3x95+3x50/3E+3x2,5ST	51	5100	4275	3/0
05040GY3037M68	3x120+3x70/3E+3x2,5ST	57	6510	5400	4/0
05040GY3037M69	3x150+3x70/3E+3x2,5ST	63	7600	6750	250 MCM
05040GY3037M70	3x185+3x95/3E+3x2,5ST	67,5	9400	8325	350 MCM

NSSHÖU.../KON

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strength N	AWG no.*)
05050GY3030M15	3x1,5/1,5KON	12,7	275	68	16
05050GY3030M25	3x2,5/2,5KON	14,3	335	113	14
05050GY3040M60	4x6/6KON	20	657	360	10
05050GY3040M61	4x10/10KON	24,5	1050	600	8
05050GY3050M25	5x2,5/2,5KON	18	490	188	14
05050GY3050M40	5x4/4KON	20	640	300	12
05050GY3050M60	5x6/6KON	22,5	845	450	10

Other dimensions and colors available on request.

FLEXIMINING® (N)SSHCÖU



ELETTROTEK KABEL® FLEXIMINING® NSSHCÖU

Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
Insulation:	rubber EPR type 3GI3 acc. to DIN VDE 0207
Cores color:	3 white conductors + 3 earth conductors divided in 3 interstices
Stranding:	phase units laid up with earth-conductors in interstices
Inner sheath:	rubber EPR type GM1b, acc. to DIN VDE 0207 part 21
Screen:	tinned copper braid
Outer sheath:	yellow (similar to RAL 1021), rubber PCP type 5GM5

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	3 kV
Max. operating voltage:	A.C. U ₀ /U = 0,7/1,2 kV D.C. U ₀ /U = 0,9/1,8 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-25°C up to +80°C
<i>In service:</i>	up to +90°C
<i>In short circuit:</i>	up to +250°C
Min. bending radius:	acc. to DIN VDE 0298, Part 3
Tensile strenght:	15 N/mm ²
Max. torsion:	+/- 25°/m

Resistance:



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



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

Features:

mining Excavator!

weather, ozone, moisture and water resistant
outdoor/indoor use

possible cold version up to -45°C

MSHA, GOST-R and WUG approvals on request

for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue

RoHS and CE approval



Applications:

For frequency converter controlled drives
in the mining and tunneling

FLEXIMINING® (N)SSHCÖU



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strength N	AWG no.*)
05060GYA037M62	3x16+3G2,5	26,2	1200	720	6
05060GYA037M63	3x25+3G4	30	1700	1125	4
05060GYA037M64	3x35+3G16/3	32,5	2200	1575	2
05060GYA037M65	3x50+3G25/3	38	2800	2250	1
05060GYA037M66	3x70+3G35/3	43	3850	3150	2/0
05060GYA037M67	3x95+3G50/3	47,5	4650	4275	3/0
05060GYA037M68	3x120+3x70/3	51	5800	5400	4/0
05060GYA037M69	3x150+3x70/3	58	7150	6750	250 MCM
05060GYA037M70	3x185+3x95/3	62,5	8500	9200	350 MCM
05060GYA037M71	3x240+3x120/3	68,5	10100	11500	450 MCM

Other dimensions and colors available on request.

FLEXIMINING® (N)SSHCGEÖU (V)



ELETTROTEK KABEL® FLEXIMINING® NSSHCGEÖU (V) 0,6/1 kV

Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber EPR type 3GI3
Outer semi-conductive layer:	semi-conducting rubber compound
Monitoring conductor:	tinned copper wires laying concentric around each control cores
Monitor semi-conductive layer:	semi-conducting rubber compound
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 3 phase cores: brown-black-gray
Stranding:	phase units laid up with concentric control and monitoring conductors in interstices
Inner sheath:	rubber EPR type GM1b
Earth conductor:	copper/steel wires laying concentric between inner and outer sheath
Outer sheath:	yellow (similar to RAL 1021), rubber PCP type 5GM5

Resistance:



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



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

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	
<i>Power core:</i>	3 kV
<i>Control cores:</i>	2 kV
Max. operating voltage:	A.C. U ₀ /U = 0,7/1,2 kV D.C. U ₀ /U = 0,9/1,8 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-25°C up to +80°C
<i>In service:</i>	up to +90°C
<i>In short circuit:</i>	up to +250°C
Min. bending radius:	acc. to DIN VDE 0298, Part 3 or 2,3 x D (with a tensile strenght of max. 5 N/mm², please check tensile loading applications)
Tensile strenght:	15 N/mm² (please check min. bending radius applications)

Features:

coal-cutting machines!

weather, ozone, and moisture resistant
outdoor/indoor use
very good for monitoring the cables with appropriate monitoring equipment
MSHA, GOST-R and WUG approvals on request
for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue

RoHS and CE approval



Applications:

coal mining and chain use

FLEXIMINING® (N)SSHCGEÖU (V)



ELETTROTEK KABEL® FLEXIMINING® NSSHCGEÖU (V) 0,6/1 kV

NSSHCGEÖU(V) 0,6/1 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strenght N	AWG no.*)
05070GY3037M63	3x25/16KON+3x(1,5ST KÖN/1,5 UL KON)	38	2850	1125	4
05070GY3037M64	3x35/16KON+3x(1,5ST KÖN/1,5 UL KON)	43	3070	1575	2
05070GY3037M65	3x50/35KON+3x(1,5ST KÖN/1,5 UL KON)	46	4010	2250	1
05070GY3037M66	3x70/35KON+3x(1,5ST KÖN/1,5 UL KON)	53	4970	3150	2/0
05070GY3037M67	3x95/50KON+3x(1,5ST KÖN/1,5 UL KON)	58	6580	4275	3/0
05070GY3037M68	3x120/70KON+3x(1,5ST KÖN/1,5 UL KON)	61	7600	5400	4/0
05070GY3037M69	3x150/70KON+3x(1,5ST KÖN/1,5 UL KON)	65	9350	6750	250 MCM

Other dimensions and colors available on request.

FLEXIMINING® (N)TSKCGEWÖU 1,8/3 kV and 3,6/6 kV



ELETTROTEK KABEL® FLEXIMINING® NTSKCGEWÖU 1,8/3 kV and 3,6/6 kV



Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber EPR type 3GI3
Monitoring conductor:	tinned copper wires laying concentric around each control cores
Monitor semi-conductive layer:	semi-conducting rubber compound
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 3 phase cores: brown-black-gray
Stranding:	phase units laid up with concentric control and monitoring conductors in interstices
Inner sheath:	rubber EPR type GM1b
Earth conductor:	copper/steel wires laying concentric between inner and outer sheath
Outer sheath:	red (similar to RAL 3000), rubber PCP type 5GM5

Resistance:



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



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

Technical data:

Nominal voltage:	Uo/U 1,8/3 and 3,6/6 kV
Test voltage:	6 kV up to 11 kV
Max. operating voltage 1,8/3 kV:	A.C. Uo/U = 2,1/3,6 kV D.C. Uo/U = 0,9/1,8 kV
Max. operating voltage 3,6/6 kV:	A.C. Uo/U = 4,2/7,2 kV D.C. Uo/U = 5,4/10,8 kV
Temperature range:	
Fixed laying:	-40°C up to +80°C
Flexible application:	-25°C up to +80°C
Min. bending radius:	acc. to DIN VDE 0298, Part 3 or 2,3 x D (with a tensile strenght of max. 5 N/mm², please check tensile loading applications)
Tensile strenght:	15 N/mm² (please check min. bending radius applications)

Features:

coal-cutting machines!
weather, ozone, and moisture resistant
outdoor/indoor use
MSHA, GOST-R and WUG approvals on request
for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue
RoHS approval



Applications:

used in cable chains

FLEXIMINING® (N)TSKCGEWÖU 1,8/3 kV and 3,6/6 kV



ELETTROTEK KABEL® FLEXIMINING® NTSKCGEWÖU 1,8/3 kV and 3,6/6 kV



NTSKCGEWÖU 1,8/3 kV (3,6 kV)

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strength N	AWG no.®)
06010KR3037M64	3x35+3x(1,5 ST KON + 25/3KON) + ÜL KON	45,8	3880	1575	2
06010KR3037M65	3x50+3x(1,5 ST KON + 25/3KON) + ÜL KON	52,7	5085	2250	1
06010KR3037M66	3x70+3x(1,5 ST KON + 35/3KON) + ÜL KON	55,9	6092	3150	2/0
06010KR3037M67	3x95+3x(1,5 ST KON + 50/3KON) + ÜL KON	62,1	7590	4275	3/0

NTSKCGEWÖU 1,8/3 kV (3,6 kV)

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strength N	AWG no.®)
06020KR3039900	3x50+3x(35+35/3KON) + 2 x (0,75 ST KON) + 1x(2x0,75 ÜL KON)	65,1	7816	3825	1
06020KR3039901	3x70+3x(50+50/3KON) + 2 x (0,75 ST KON) + 1x(2x0,75 ÜL KON)	65,1	8340	5400	2/0
06020KR3039902	3x95+3x(70+70/3KON) + 2 x (0,75 ST KON) + 1x(2x0,75 ÜL KON)	77,1	10307	7425	3/0

NTSKCGEWÖU 3,6/6 kV (7,2 kV)

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strength N	AWG no.®)
06010MR3037M64	3x35+3x(1,5 ST KON + 25/3KON) + ÜL KON	58,6	5860	1575	2
06010MR3037M65	3x50+3x(1,5 ST KON + 50/3KON) + ÜL KON	59,9	6190	2250	1
06010MR3037M66	3x70+3x(1,5 ST KON + 70/3KON) + ÜL KON	59,7	6800	3150	2/0
06010MR3037M67	3x95+3x(1,5 ST KON + 95/3KON) + ÜL KON	64,3	8170	4275	3/0

NTSKCGEWÖU 3,6/6 kV (7,2 kV)

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strength N	AWG no.®)
06020MR3039903	3x35+3x(35+35/3KON) + 2 x (0,75 ST KON) + 1x(2x0,75 ÜL KON)	69,1	7690	2700	2
06020MR3039904	3x50+3x(50+50/3KON) + 2 x (0,75 ST KON) + 1x(2x0,75 ÜL KON)	72,8	9210	3825	1
06020MR3039905	3x70+3x(70+70/3KON) + 2 x (0,75 ST KON) + 1x(2x0,75 ÜL KON)	79,4	11430	5400	2/0
06020MR3039906	3x95+3x(95+95/3KON) + 2 x (0,75 ST KON) + 1x(2x0,75 ÜL KON)	88,6	13730	7425	3/0

Other dimensions and colors available on request.

FLEXIMINING® (N)SSHCGEÖU (Z) Reinforced version



Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber EPR type 3GI3
Monitoring conductor:	tinned copper wires laying concentric around each control cores
Monitor semi-conductive layer:	semi-conducting rubber compound
Stranding:	phase units laid up with concentric control and monitoring conductors in interstices
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 3 phase cores: brown-black-gray
Stranding:	phase units laid up with concentric control and monitoring conductors in interstices
Inner sheath:	rubber EPR type GM1b
Earth conductor:	copper/steel braid laying concentric between inner and outer sheath
Outer sheath:	yellow (similar to RAL 1021), rubber PCP type 5GM5

Resistance:



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



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

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	3 kV
Max. operating voltage:	A.C. U ₀ /U = 0,7/1,2 kV D.C. U ₀ /U = 0,9/1,8 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-25°C up to +60°C
Min. bending radius:	4 x D

Features:

coal-cutting machines!
weather, ozone, and moisture resistant
outdoor/indoor use
MSHA, GOST-R and WUG approvals on request
for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue
RoHS and CE approval



NSSHCGEÖU(Z) 0,6/1 kV

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Braid-tensile strenght N	AWG no.*)
05080GY3037M62	3x16+3x(1,5 ST KON + 16/3 KON)	42,5	2770	55000	6
05080GY3037M63	3x25/16 KON +3x(1,5 ST KON/1,5 ÜL KON)	43,5	3050	55000	4
05080GY3037M64	3x35/16 KON +3x(1,5 ST KON/1,5 ÜL KON)	43,5	3265	55000	2
05080GY3037M65	3x50/25 KON +3x(1,5 ST KON/1,5 ÜL KON)	49,5	4490	80000	1
05080GY3037M66	3x70/35 KON +3x(1,5 ST KON/1,5 ÜL KON)	54,7	5640	80000	2/0
05080GY3037M67	3x95/50 KON +3x(1,5 ST KON/1,5 ÜL KON)	62,5	7230	110000	3/0

Other dimensions and colors available on request.

FLEXIMINING® (N)TMCGCWÖU

Flexible single-core, 3,6/6 kV up to 12/24 kV acc. to DIN VDE 0250 part 813

ELETTROTEK KABEL® FLEXIMINING® MEDIUM NTMCGCWÖU

Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Inner semi-conductive layer:	semi-conducting rubber compound
Insulation:	rubber EPR type 3GI3
Outer semi-conductive layer:	semi-conducting rubber compound
Core color:	natural color with black semi-conducting compound
Screen:	tinned copper braid
Outer sheath:	red (similar to RAL 3000), rubber PCP type 5GM5

Resistance:



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



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

Technical data:

Nominal voltage:	Uo/U 3,6/6 up to 12/20 kV
Test voltage:	11 kV up to 29 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-25°C up to +60°C
Temperature on conductor	
<i>in service:</i>	up to +90°C
<i>in short circuit:</i>	up to +250°C
Min. bending radius:	acc. to DIN VDE 0298, Part 3
Tensile strength:	up to 15 N/mm²
Max. torsion:	+/- 25°/m

Features:

weather, ozone, moisture and water resistant
outdoor use
UV resistant in the black version
small cable weight
small outer diameter
acc. to standard DIN VDE 0250 part 813
MSHA and WUG approvals on request
for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue
RoHS approval



Applications:

single-core cables are used for connection of
mobile transformer substations

MINING CABLES

FLEXIMINING® (N)TMCGCWÖU

Flexible single-core, 3,6/6 kV up to 12/24 kV acc. to DIN VDE 0250 part 813

ELETTROTEK KABEL® FLEXIMINING® MEDIUM NTMCGCWÖU

3,6/6 (7,2) kV NTMCGCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strenght N	AWG no.®)
06030MRL010M62	1x16/16 KON	20,4	601	240	6
06030MRL010M63	1x25/16 KON	22,4	825	375	4
06030MRL010M64	1x35/16 KON	23,6	882	525	2
06030MRL010M65	1x50/16KON	26,1	1104	750	1
06030MRL010M66	1x70/16KON	28	1346	1050	2/0
06030MRL010M67	1x95/16KON	30	1614	1425	3/0
06030MRL010M68	1x120/16KON	32,7	1983	1800	4/0
06030MRL010M69	1x150/25KON	34,4	2300	2250	250 MCM
06030MRL010M70	1x185/25KON	35,8	2642	2775	350 MCM
06030MRL010M71	1x240/25KON	40,1	3371	3600	450 MCM

6/10 (12) kV NTMCGCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strenght N	AWG no.®)
06030QRL010M62	1x16/16 KON	21,4	644	240	6
06030QRL010M63	1x25/16 KON	23,2	791	375	4
06030QRL010M64	1x35/16 KON	24,4	1050	525	2
06030QRL010M65	1x50/16 KON	26,9	1153	750	1
06030QRL010M66	1x70/16 KON	29,5	1399	1050	2/0
06030QRL010M67	1x95/16 KON	30,8	1910	1425	3/0
06030QRL010M68	1x120/16 KON	33,5	2044	1800	4/0
06030QRL010M69	1x150/25 KON	35,2	2364	2250	250 MCM
06030QRL010M70	1x185/25 KON	36,6	2709	2775	350 MCM
06030QRL010M71	1x240/25 KON	40,9	3446	3600	450 MCM

8,7/15 (18) kV NTMCGCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strenght N	AWG no.®)
06030SRL010M62	1x16/16 KON	23,6	760	240	6
06030SRL010M63	1x25/16 KON	26,3	954	375	4
06030SRL010M64	1x35/16 KON	27,9	1101	525	2
06030SRL010M65	1x50/16 KON	29,5	1304	750	1
06030SRL010M66	1x70/16 KON	32	1623	1050	2/0
06030SRL010M67	1x95/16 KON	34	1912	1425	3/0
06030SRL010M68	1x120/16 KON	35,7	2219	1800	4/0
06030SRL010M69	1x150/25 KON	38,4	2637	2250	250 MCM
06030SRL010M70	1x185/25 KON	39,7	2995	2775	350 MCM
06030SRL010M71	1x240/25 KON	42	3658	3600	450 MCM

12/20 (24) kV NTMCGCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strenght N	AWG no.®)
06030URL010M62	1x16/16 KON	27,5	971	240	6
06030URL010M63	1x25/16 KON	28,7	1090	375	4
06030URL010M64	1x35/16 KON	29,9	1236	525	2
06030URL010M65	1x50/16 KON	32,5	1680	750	1
06030URL010M66	1x70/16 KON	34	1776	1050	2/0
06030URL010M67	1x95/16 KON	36	2170	1425	3/0
06030URL010M68	1x120/16 KON	38,7	2481	1800	4/0
06030URL010M69	1x150/25 KON	40,4	3020	2250	250 MCM
06030URL010M70	1x185/25 KON	41,8	3182	2775	350 MCM
06030URL010M71	1x240/25 KON	45,1	3870	3600	450 MCM

Other dimensions and colors available on request.

FLEXIMINING® (N)TMCWÖU

Flexible single-core, 6/10 kV up to 20/35 kV acc. to DIN VDE 0250 part 813

ELETTROTEK KABEL® FLEXIMINING® MEDIUM NTMCWÖU

Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
Inner semi-conductive layer:	semi-conducting rubber compound
Insulation:	rubber EPR type 3GI3
Outer semi-conductive layer:	semi-conducting rubber compound
Core color:	natural color with black semi-conducting compound
Screen:	tinned copper wires
Outer sheath:	red (similar to RAL 3000), rubber PCP type 5GM3 acc. to DIN VDE 0207 part 21

Resistance:



Self-extinguishing and flame retardant acc. to:

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



Oil resistance acc. to:

DIN VDE 0473 part 811-2-1
IEC EN 60811-2-1

Technical data:

Nominal voltage:	U ₀ /U 6/10 up to 20/35 kV
Test voltage:	17 kV up to 50 kV
Temperature range:	
Fixed laying:	-40°C up to +80°C
Flexible application:	-25°C up to +80°C
Temperature on conductor in service:	up to +90°C
Min. bending radius:	
Fixed laying:	5 x D
Flexible installation:	10 x D

Features:

UV resistant (black version)
small cable weight
small outer diameter
very small bending radius
acc. to standard DIN VDE 0250 part 813
MSHA and WUG approvals on request
for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue
RoHS approval



MINING CABLES

FLEXIMINING® (N)TMCWÖU

Flexible single-core, 6/10 kV up to 20/35 kV acc. to DIN VDE 0250 part 813

ELETTROTEK KABEL® FLEXIMINING® MEDIUM NTMCWÖU

6/10 (12) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06040QRL010M62	1x16/16	22,3	765	6
06040QRL010M63	1x25/16	23,8	920	4
06040QRL010M64	1x35/16	24,8	1050	2
06040QRL010M65	1x50/16	27,3	1265	1
06040QRL010M66	1x70/16	28,8	1540	2/0
06040QRL010M67	1x95/16	30,7	1780	3/0
06040QRL010M68	1x120/16	33,9	2185	4/0
06040QRL010M69	1x150/25	35,2	2560	250 MCM
06040QRL010M70	1x185/25	37,1	2910	350 MCM
06040QRL010M71	1x240/25	41,3	3595	450 MCM
06040QRL010M72	1x300/25	43,2	4290	550 MCM
06040QRL010M73	1x400/35	46,4	5130	750 MCM
06040QRL010M74	1x500/35	49,3	5960	950 MCM
06040QRL010M75	1x630/35	53,3	7870	1200 MCM

12/20 (24) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06040URL010M63	1x25/16	28,8	1190	4
06040URL010M64	1x35/16	29,7	1330	2
06040URL010M65	1x50/16	31,8	1570	1
06040URL010M66	1x70/16	34,2	1930	2/0
06040URL010M67	1x95/16	36,1	2200	3/0
06040URL010M68	1x120/16	38,3	2470	4/0
06040URL010M69	1x150/25	40,2	3000	250 MCM
06040URL010M70	1x185/25	42,5	3360	350 MCM
06040URL010M71	1x240/25	45,2	3995	450 MCM
06040URL010M72	1x300/25	48,3	4775	550 MCM
06040URL010M73	1x400/35	52,3	6115	750 MCM
06040URL010M74	1x500/35	56,2	7020	950 MCM
06040URL010M75	1x630/35	60,3	8190	1200 MCM

14/25 (30) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06040WRL010M63	1x25/16	30,7	1310	4
06040WRL010M72	1x300/25	49,2	4910	550 MCM

18/30 (36) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06040XRL010M65	1x50/16	35,2	1880	1

20/35 (42) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06040YRL010M65	1x50/16	40,4	2300	1
06040YRL010M67	1x95/16	44,2	2910	3/0
06040YRL010M69	1x150/25	46,6	3615	250 MCM
06040YRL010M71	1x240/25	51,9	5010	450 MCM

Other dimensions and colors available on request.

FLEXIMINING® MEDIUM NTMCWÖU WATER PROOF

Flexible single-core, 6/10 kV up to 12/20 kV acc. to DIN VDE 0250 part 813

ELETTROTEK KABEL® FLEXIMINING® MEDIUM NTMCWÖU WATER PROOF



Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
Inner semi-conductive layer:	semi-conducting rubber compound
Insulation:	rubber HEPR type SHS
Outer semi-conductive layer:	semi-conducting rubber compound
Core color:	natural color with black semi-conducting compound
Inner sheath:	special water resistant compound
Screen:	tinned copper wires
Outer sheath:	blue (similar to RAL 5015), rubber PCP type 5GM3 acc. to DIN VDE 0207 part 21

Features:

water proof approved
 very good water resistant
 Installation in water up to 500 mt. depth
 small cable weight
 small outer diameter
 very small bending radius
 acc. to standard DIN VDE 0250 part 813
 MSHA and WUG approvals on request
 for MINIMUM BENDING RADIUS
 see pages from 5 to 8 of catalogue
 RoHS approval



Technical data:

Nominal voltage:	U ₀ /U 6/10 up to 12/20 kV
Test voltage:	17 kV up to 29 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-25°C up to +80°C
Temperature on conductor in service:	up to +90°C
Min. bending radius:	
<i>Fixed laying:</i>	5 x D
<i>Flexible installation:</i>	10 x D

MINING CABLES

FLEXIMINING® MEDIUM NTMCWÖU WATER PROOF

Flexible single-core, 6/10 kV up to 12/20 kV acc. to DIN VDE 0250 part 813



6/10 (12) kV NTMCWÖU WATER PROOF

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06140QBL010M62	1x16/16	22	760	6
06140QBL010M63	1x25/16	23,5	910	4
06140QBL010M64	1x35/16	24,5	1040	2
06140QBL010M65	1x50/16	27	1260	1
06140QBL010M66	1x70/16	28,5	1530	2/0
06140QBL010M67	1x95/16	30,5	1770	3/0
06140QBL010M68	1x120/16	33,5	2180	4/0
06140QBL010M69	1x150/25	35	2550	250 MCM
06140QBL010M70	1x185/25	37	2900	350 MCM
06140QBL010M71	1x240/25	41	3590	450 MCM
06140QBL010M74	1x500/35	49	5950	950 MCM
06140QBL010M75	1x630/35	53,5	7860	1200 MCM

12/20 (24) kV NTMCWÖU WATER PROOF

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06140UBL010M63	1x25/16	28	1180	4
06140UBL010M64	1x35/16	29,5	1320	2
06140UBL010M65	1x50/16	31,5	1560	1
06140UBL010M66	1x70/16	34	1920	2/0
06140UBL010M67	1x95/16	36	2190	3/0
06140UBL010M68	1x120/16	38	2460	4/0
06140UBL010M69	1x150/25	40	2990	250 MCM
06140UBL010M70	1x185/25	42	3350	350 MCM
06140UBL010M71	1x240/25	45	3990	450 MCM

Other dimensions and colors available on request.

FLEXIMINING® MEDIUM NTMCWÖU COLD

Flexible single-core, 6/10 kV up to 26/45 kV acc. to DIN VDE 0250 part 813

ELETTROTEK KABEL® FLEXIMINING® MEDIUM NTMCWÖU COLD

Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Inner semi-conductive layer:	semi-conducting rubber compound
Insulation:	rubber EPR type 3GI3
Outer semi-conductive layer:	semi-conducting rubber compound
Core color:	natural color with black semi-conducting compound
Screen:	tinned copper wires
Outer sheath:	black (similar to RAL 9005), rubber PCP type 5GM3 acc. to DIN VDE 0207 part 21

Resistance:



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



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

Technical data:

Nominal voltage:	U ₀ /U 6/10 up to 26/45 kV
Test voltage:	17 kV up to 87 kV
Temperature range:	
<i>Fixed laying:</i>	-50°C up to +80°C
<i>Flexible application:</i>	-50 °C up to +80°C
Temperature on conductor in service:	up to +90°C
Min. bending radius:	
<i>Fixed laying:</i>	5 x D
<i>Flexible installation:</i>	10 x D

Features:

UV resistant
small cable weight
small outer diameter
very small bending radius
acc. to standard DIN VDE 0250 part 813
MSHA and WUG approvals on request
for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue
RoHS approval



MINING CABLES

FLEXIMINING® MEDIUM NTMCWÖU COLD

Flexible single-core, 6/10 kV up to 26/45 kV acc. to DIN VDE 0250 part 813

ELETTROTEK KABEL® FLEXIMINING® MEDIUM NTMCWÖU COLD

6/10 (12) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06050Q7L010M62	1x16/16	22,3	765	6
06050Q7L010M63	1x25/16	23,8	920	4
06050Q7L010M64	1x35/16	24,8	1050	2
06050Q7L010M65	1x50/16	27,3	1265	1
06050Q7L010M66	1x70/16	28,8	1540	2/0
06050Q7L010M67	1x95/16	30,7	1780	3/0
06050Q7L010M68	1x120/16	33,9	2185	4/0
06050Q7L010M69	1x150/25	35,2	2560	250 MCM
06050Q7L010M70	1x185/25	37,1	2910	350 MCM
06050Q7L010M71	1x240/25	41,3	3595	450 MCM
06050Q7L010M72	1x300/25	43,2	4290	550 MCM
06050Q7L010M73	1x400/35	46,4	5130	750 MCM
06050Q7L010M74	1x500/35	49,3	5960	950 MCM
06050Q7L010M75	1x630/35	53,3	7870	1200 MCM

12/20 (24) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06050U7L010M63	1x25/16	28,8	1190	4
06050U7L010M64	1x35/16	29,7	1330	2
06050U7L010M65	1x50/16	31,8	1570	1
06050U7L010M66	1x70/16	34,2	1930	2/0
06050U7L010M67	1x95/16	36,1	2200	3/0
06050U7L010M68	1x120/16	38,3	2470	4/0
06050U7L010M69	1x150/25	40,2	3000	250 MCM
06050U7L010M70	1x185/25	42,5	3360	350 MCM
06050U7L010M71	1x240/25	45,2	3995	450 MCM
06050U7L010M72	1x300/25	48,3	4775	550 MCM
06050U7L010M73	1x400/35	52,3	6115	750 MCM
06050U7L010M74	1x500/35	56,2	7020	950 MCM
06050U7L010M75	1x630/35	60,3	8190	1200 MCM

14/25 (30) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06050W7L010M63	1x25/16	30,7	1310	4
06050W7L010M72	1x300/25	49,2	4910	550 MCM

18/30 (36) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06050X7L010M65	1x50/16	35,2	1880	1

20/35 (42) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06050Y7L010M67	1x95/16	44,2	2910	3/0
06050Y7L010M69	1x150/25	46,6	3615	250 MCM
06050Y7L010M71	1x240/25	51,9	5010	450 MCM

26/45 (54) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.®)
06050Z7L010M69	1x150/25	54	4600	250 MCM

Other dimensions and colors available on request.

FLEXIMINING® MEDIUM NTMCWÖU

Flexible single-core, 26/45 kV acc. to DIN VDE 0250 part 813



ELETTROTEK KABEL® FLEXIMINING® MEDIUM NTMCWÖU

Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
Inner semi-conductive layer:	semi-conducting rubber compound
Insulation:	rubber EPR special compound
Outer semi-conductive layer:	semi-conducting rubber compound
Core color:	natural color with black semi-conducting compound
Screen:	tinned copper wires
Outer sheath:	red (similar to RAL 3000), halogen-free compound acc. to DIN VDE 0207 part 24

Technical data:

Nominal voltage:	Uo/U 26/45 kV
Test voltage:	87 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-25 °C up to +80°C
Temperature on conductor in service:	up to +90°C
Min. bending radius:	
<i>Fixed laying:</i>	5 x D
<i>Flexible installation:</i>	10 x D
Tensile strength:	up to 15 N/mm²

Features:

small cable weight
small outer diameter
acc. to standard DIN VDE 0250 part 813
MSHA and WUG approvals on request
for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue
RoHS approval



Resistance:

Self-extinguishing, flame retardant and no flame propagation acc. to:

DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2
DIN VDE 0482 part 265-5-2
EN 50265-5-2
IEC 60332-3C
NF C 32-070 C1
NF F 16-101 Fo
BS 6853 cat. 1b



Halogen free acc. to:

acc. to DIN VDE 0482, part 267-2-1
EN 50267-2-1
IEC 60754-1
IEC 60884-2



Corrosiveness of conflagration gases acc. to:

acc. to DIN VDE 0482, part 267-2-2
EN 50267-2-2
IEC 60754-2



Low smoke density acc. to:

DIN VDE 0482 part. 268-1-2
EN 50268-1-2
IEC 61034-1-2
BS 6853 cat. 1b



Toxicity acc. to:

BS 6853 cat. 1b
EN 50305
NF F 16-101 Fo



Ozone resistance acc. to:

IEC 92-350



Chemical resistance acc. to:

EN 60721-3-5, class 5C2



Mechanical stress acc. to:

EN 61373 cat.1, class B



Humidity resistance acc. to:

acc. to EN 50125-1



Biological substance resistance acc. to:

acc. to EN 60721-3-5, class 5B2



Fluid resistance acc. to:

EN 60721-3-5, class 5F3



Railway network stability acc. to:

for voltage pulses IEC 61287-1
for sustained over voltage,
IEC EN 50163, appendix A, Zone C

FLEXIMINING® MEDIUM NTMCWÖU

Flexible single-core, 26/45 kV acc. to DIN VDE 0250 part 813



ELETTROTEK KABEL® FLEXIMINING® MEDIUM NTMCWÖU

26/34 kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
06060ZRL010M65	1x50/16	37	1900	1
06060ZRL010M66	1x70/16	39	2400	2/0
06060ZRL010M67	1x95/16	41	2700	3/0
06060ZRL010M68	1x120/16	43	3000	4/0
06060ZRL010M69	1x150/25	45	3700	250 MCM
06060ZRL010M70	1x185/25	47	4200	350 MCM
06060ZRL010M71	1x240/25	50	4500	450 MCM
06060ZRL010M73	1x400/35	56	6400	750 MCM
06060ZRL010M74	1x500/25	59,5	7400	950 MCM
06060ZRL010M75	1x630/35	64	9200	1200 MCM

Other dimensions and colors available on request.

FLEXIMINING® MEDIUM NTMCWÖU

Flexible single-core, 76/132-138 kV acc. to DIN VDE 0250 part 813

ELETTROTEK KABEL® FLEXIMINING® MEDIUM NTMCWÖU

Construction:

Conductor:	flexible tinned copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
Inner semi-conductive layer:	semi-conducting rubber compound
Insulation:	rubber EPR special compound
Outer semi-conductive layer:	semi-conducting rubber compound
Core color:	natural color with black semi-conducting compound
Screen:	tinned copper wires
Outer sheath:	red (similar to RAL 3000), rubber PCP type 5GM3 acc. to DIN VDE 0207 part 21

Resistance:



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



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

Technical data:

Nominal voltage:	U ₀ /U 76/132-138 (145) kV
Temperature range:	
<i>Fixed laying:</i>	-50°C up to +80°C
<i>Flexible application:</i>	-40 °C up to +80°C
Temperature on conductor	
<i>in service:</i>	up to +90°C
<i>in short-circuit:</i>	up to +250°C
Temperature on screen:	
<i>in short-circuit:</i>	up to +350°C
Min. bending radius:	
<i>Fixed laying:</i>	5 x D
<i>Flexible installation:</i>	10 x D

Features:

small cable weight
small outer diameter
very small bending radius
possible cold version -50°C
acc. to DIN VDE 0250 part 813, IEC 60840
MSHA and WUG approvals on request
for MINIMUM BENDING RADIUS
see pages from 5 to 8 of catalogue
RoHS approval



76/132-138 (145) kV NTMCWÖU

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
06040ORL010M71	1x240/105	70,7	7200	450 MCM

Other dimensions and colors available on request.

FLEXIMINING® MEDIUM F-(N)TSCGEWÖU



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Inner semi-conductive layer:	semi-conducting rubber compound
Insulation:	rubber EPR compound
Outer semi-conductive layer:	semi-conducting compound
Earth conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Earth semi-conductive layer:	semi-conducting compound
Cores color:	Power: natural color with black semi-conducting compound Earth: black semi-conducting compound
Stranding:	phase units laid up with earth-conductors in interstices
Inner sheath:	rubber EPR compound
Outer sheath:	red (similar to RAL 3000), rubber PCP compound

Resistance:



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



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

Technical data:

Nominal voltage:	Uo/U 3,6/6 kV up to 18/30 kV
Max. permissible operating voltage in A.C. systems:	UoU 4,2/7,2 kV up to 20,8/36 kV
Max. permissible operating voltage in D.C. systems:	UoU 5,4/10,8 kV up to 27/54 kV
Test voltage:	11 kV up to 43 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-25 °C up to +60°C
Temperature on conductor in service:	up to +90°C
<i>in short-circuit:</i>	up to +250°C
Min. bending radius:	acc. to DIN VDE 0298, Part 3
Tensile strenght:	20 N/mm ²
Max speed (main application):	100 m/min
Max. torsion:	± 100°/m

Features:

conveyor belts!

UV, ozone, and moisture resistant

outdoor use

very flexible

acc. to DIN VDE 0250 part 813

GOST-R and WUG approvals on request

for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue

Applications:

For the conveyor and materials handling equipment

FLEXIMINING® MEDIUM F-(N)TSCGEWÖU



3,6/6 (7,2) kV F-(N)TSCGEWÖU

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	Tensile strength N	AWG no.)*
06070MR1037M63	3x25 + 3x25/3	38,2	960	2315	1125	4
06071MR1037M63	3x25 + 3x50/3	42,1	1200	2875	1125	4
06070MR1037M64	3x35 + 3x25/3	42	1248	2868	1575	2
06071MR1037M64	3x35 + 3x50/3	43,8	1488	3230	1575	2
06070MR1037M65	3x50 + 3x25/3	45,3	1680	3515	2250	1
06071MR1037M65	3x50 + 3x50/3	45,3	1920	3655	2250	1
06070MR1037M66	3x70 + 3x35/3	48,5	2256	4368	3150	2/0
06071MR1037M66	3x70 + 3x50/3	51,7	2496	5018	3150	2/0
06070MR1037M67	3x95 + 3x50/3	54,6	3216	5547	4275	3/0
06070MR1037M68	3x120 + 3x70/3	57,9	4128	6680	5400	4/0
06070MR1037M69	3x150 + 3x70/3	63	4992	8015	6750	250 MCM
06070MR1037M70	3x185 + 3x95/3	66	6240	9310	8325	350 MCM
06070MR1037M71	3x240 + 3x120/3	74,1	8064	11966	10800	450 MCM
06070MR1037M72	3x300 + 3x150/3	79,3	10080	14245	13500	550 MCM

6/10 (12) kV F-(N)TSCGEWÖU

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	Tensile strength N	AWG no.)*
06070QR1037M63	3x25 + 3x25/3	40,5	960	2510	1125	4
06071QR1037M63	3x25 + 3x50/3	42,9	1200	2915	1125	4
06070QR1037M64	3x35 + 3x25/3	43,3	1248	2987	1575	2
06071QR1037M64	3x35 + 3x50/3	45,1	1488	3340	1575	2
06070QR1037M65	3x50 + 3x25/3	46,6	1680	3635	2250	1
06071QR1037M65	3x50 + 3x50/3	46,6	1920	3740	2250	1
06070QR1037M66	3x70 + 3x35/3	53,1	2477	4915	3150	2/0
06071QR1037M66	3x70 + 3x50/3	53,1	2640	5140	3150	2/0
06070QR1037M67	3x95 + 3x50/3	55,5	3216	5721	4275	3/0
06070QR1037M68	3x120 + 3x70/3	59,2	4128	6869	5400	4/0
06070QR1037M69	3x150 + 3x70/3	64,3	4992	8201	6750	250 MCM
06070QR1037M70	3x185 + 3x95/3	67,3	6240	9515	8325	350 MCM
06070QR1037M71	3x240 + 3x120/3	75,4	8064	12180	10800	450 MCM
06070QR1037M72	3x300 + 3x150/3	80,6	10080	14515	13500	550 MCM

8,7/15 (18) kV F-(N)TSCGEWÖU

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	Tensile strength N	AWG no.)*
06070SR1037M63	3x25 + 3x25/3	44	960	2857	1125	4
06071SR1037M63	3x25 + 3x50/3	45,7	1200	3218	1125	4
06070SR1037M64	3x35 + 3x25/3	46,8	1248	3348	1575	2
06071SR1037M64	3x35 + 3x50/3	46,8	1488	3466	1575	2
06070SR1037M65	3x50 + 3x25/3	51,4	1680	4188	2250	1
06071SR1037M65	3x50 + 3x50/3	51,4	1920	4312	2250	1
06070SR1037M66	3x70 + 3x35/3	54,7	2256	5100	3150	2/0
06071SR1037M66	3x70 + 3x50/3	54,7	2496	5320	3150	2/0
06070SR1037M67	3x95 + 3x50/3	59	3216	6175	4275	3/0
06070SR1037M68	3x120 + 3x70/3	64,1	4128	7540	5400	4/0
06070SR1037M69	3x150 + 3x70/3	67,7	4992	8715	6750	250 MCM
06070SR1037M70	3x185 + 3x95/3	70,7	6240	10035	8325	350 MCM
06070SR1037M71	3x240 + 3x120/3	78,8	8064	12738	10800	450 MCM
06070SR1037M72	3x300 + 3x150/3	84	10080	15118	13500	550 MCM

MINING CABLES

FLEXIMINING® MEDIUM F-(N)TSCGEWÖU



12/20 (24) kV F-(N)TSCGEWÖU

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	Tensile strength N	AWG no.*)
06070UR1037M63	3x25 + 3x25/3	47	960	3140	1125	4
06071UR1037M63	3x25 + 3x50/3	48,7	1200	3312	1125	4
06070UR1037M64	3x35 + 3x25/3	49,8	1248	3672	1575	2
06071UR1037M64	3x35 + 3x50/3	53	1488	3823	1575	2
06070UR1037M65	3x50 + 3x25/3	54,5	1680	4530	2250	1
06071UR1037M65	3x50 + 3x50/3	54,5	1920	4675	2250	1
06070UR1037M66	3x70 + 3x35/3	57,7	2256	5466	3150	2/0
06071UR1037M66	3x70 + 3x50/3	60	2496	5701	3150	2/0
06070UR1037M67	3x95 + 3x50/3	63,4	3216	6780	4275	3/0
06070UR1037M68	3x120 + 3x70/3	67,1	4128	7985	5400	4/0
06070UR1037M69	3x150 + 3x70/3	70,7	4992	9180	6750	250 MCM
06070UR1037M70	3x185 + 3x95/3	75,2	6240	10791	8325	350 MCM
06070UR1037M71	3x240 + 3x120/3	81,8	8064	13290	10800	450 MCM
06070UR1037M72	3x300 + 3x150/3	89,8	10080	16080	13500	550 MCM

14/25 (30) kV F-(N)TSCGEWÖU

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	Tensile strength N	AWG no.*)
06070WR1037M63	3x25 + 3x25/3	50,3	960	3770	1125	4
06071WR1037M63	3x25 + 3x50/3	52,3	1200	3890	1125	4
06070WR1037M64	3x35 + 3x25/3	55,1	1248	4278	1575	2
06071WR1037M64	3x35 + 3x50/3	55,1	1488	4420	1575	2
06070WR1037M65	3x50 + 3x25/3	58,3	1680	5015	2250	1
06071WR1037M65	3x50 + 3x50/3	58,3	1920	5165	2250	1
06070WR1037M66	3x70 + 3x35/3	63	2256	6180	3150	2/0
06071WR1037M66	3x70 + 3x50/3	63	2496	6422	3150	2/0
06070WR1037M67	3x95 + 3x50/3	67,3	3216	7352	4275	3/0
06070WR1037M68	3x120 + 3x70/3	71	4128	8568	5400	4/0
06070WR1037M69	3x150 + 3x70/3	76	4992	10015	6750	250 MCM
06070WR1037M70	3x185 + 3x95/3	79	6240	11420	8325	350 MCM
06070WR1037M71	3x240 + 3x120/3	87,5	8064	14410	10800	450 MCM
06070WR1037M72	3x300 + 3x150/3	92,7	10080	16873	13500	550 MCM

18/30 (36) kV F-(N)TSCGEWÖU

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	Tensile strength N	AWG no.*)
06070XR1037M63	3x25 + 3x25/3	55,7	960	4168	1125	4
06071XR1037M63	3x25 + 3x50/3	55,7	1200	4310	1125	4
06070XR1037M64	3x35 + 3x25/3	58,6	1248	4720	1575	2
06071XR1037M64	3x35 + 3x50/3	58,6	1488	4860	1575	2
06070XR1037M65	3x50 + 3x25/3	63,2	1680	5710	2250	1
06071XR1037M65	3x50 + 3x50/3	63,2	1920	5845	2250	1
06070XR1037M66	3x70 + 3x35/3	66,6	2256	6692	3150	2/0
06071XR1037M66	3x70 + 3x50/3	66,6	2496	6912	3150	2/0
06070XR1037M67	3x95 + 3x50/3	70,7	3216	7865	4275	3/0
06070XR1037M68	3x120 + 3x70/3	75,8	4128	9385	5400	4/0
06070XR1037M69	3x150 + 3x70/3	79,5	4992	10670	6750	250 MCM
06070XR1037M70	3x185 + 3x95/3	82,5	6240	12070	8325	350 MCM
06070XR1037M71	3x240 + 3x120/3	91	8064	15080	10800	450 MCM
06070XR1037M72	3x300 + 3x150/3	97,2	10080	17815	13500	550 MCM

Other dimensions and colors available on request.