

GAALFLEX® CONTROL 600

PVC control cable, UL1000 V



ELETTROTEK KABEL® GAALFLEX® CONTROL 600



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL.5, ACC.TO IEC 60228, DIN VDE 0295
INSULATION:	GAALTHERM® 521
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
OUTER SHEATH:	GREY (RAL 7001) GAALTHERM® 521

Resistance:



SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:
DIN VDE 0472 PART 804 TEST METHOD B
IEC 60332-1-2,
IEC 60332-3/24,
UL VW-1



OIL RESISTANCE:
ACC. TO DIN EN 50290-2-22 RESP. VDE 0819-102, TM54

Technical data:

NOMINAL VOLTAGE:	UL/CSA 1000 V
TEST VOLTAGE:	3 kV ACC.TO DIN VDE 0281 PART 2 + HD 21.2
TEMPERATURE RANGE	UL/CSA
FIXED LAYING:	-40°C UP TO +105°C
FLEXIBLE APPLICATION: (not-continuously movement)	-5°C UP TO +105°C
MIN. BENDING RADIUS	
FIXED LAYING:	4 x D
FLEXIBLE INSTALLATION: (not-continuously movement)	15 x D

Features:

- SMALL BENDING RADIUS
- SUITABLE IN DRY, DAMP AND WET ENVIRONMENTS
- ON REQUEST BLACK
- NOMINAL VOLTAGE FOR IEC: 450/750 V
- UL RECOGNIZED AWM STYLE 21179 105°C 1000 V, CSA AWM I/II A/B OR STYLE 2587 90°C 600 V IDENTIFIED WITH "0" ON THE 5th NUMBER OF THE PART. NO, AND "F" ON THE 6th NUMBER OF THE PART. NO
- 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. *)
31151H51020A20	2 x 0,5	5,8	9,6	46,5	20
31151H50031A20	3 g 0,5	6,2	14,4	55,5	20
31151H50041A20	4 g 0,5	6,9	19,2	69,7	20
31151H50051A20	5 g 0,5	7,5	24	83,3	20
31151H50061A20	6 G0,5	8,4	28,8	103,6	20
31151H50071A20	7 g 0,5	8,4	33,6	107	20
31151H50081A20	8 g 0,5	9,9	38,4	142,8	20
31151H50091A20	9 g 0,5	10,4	43,2	158,2	20
31151H50101A20	10 g 0,5	10,6	48	166,5	20
31151H50121A20	12 g 0,5	10,9	57,6	181	20
31151H50141A20	14 g 0,5	11,6	67,2	206,3	20
31151H50161A20	16 g 0,5	12,2	76,8	230	20
31151H50181A20	18 g 0,5	13,2	86,4	266,8	20
31151H50191A20	19 g 0,5	13,2	91,2	270,2	20
31151H50211A20	21G 0,5	14,5	100,8	319,4	20
31151H50251A20	25 g 0,5	15,2	120	357,6	20
31151H50271A20	27 g 0,5	-	129,6	401,4	20
31151H50301A20	30 g 0,5	16,5	144	423,2	20
31151H50321A20	32 g 0,5	17,1	153,6	453,8	20
31151H50341A20	34 g 0,5	18	163,2	497,8	20
31151H50351A20	35 g 0,5	18	168	501,3	20
31151H50371A20	37 g 0,5	18	177,6	508,1	20
31151H50401A20	40 g 0,5	19,2	192	570,9	20
31151H50411A20	41 g 0,5	19,5	196,8	588	20
31151H50421A20	42 g 0,5	19,5	201,6	591,4	20
31151H50501A20	50 g 0,5	21,5	240	715,4	20
31151H50561A20	56 g 0,5	21,5	268,8	735,9	20
31151H50611A20	61 g 0,5	21,5	292,8	753	20
31151H51020A19	2 x 0,75	6,2	14,4	55,5	19
31151H50031A19	3 g 0,75	6,6	21,6	66,7	19

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PVC control cable, UL1000 V



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INSULATION:	GAALTHERM® 521
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
OUTER SHEATH:	GREY (RAL 7001) GAALTHERM® 521

Resistance:



SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:
DIN VDE 0472 PART 804 TEST METHOD B
IEC 60332-1-2,
IEC 60332-3/24,
UL VW-1



OIL RESISTANCE:
ACC. TO DIN EN 50290-2-22 RESP. VDE 0819-102, TM54

Technical data:

NOMINAL VOLTAGE:	UL/CSA 1000 V
TEST VOLTAGE:	3 kV ACC.TO DIN VDE 0281 PART 2 + HD 21.2
TEMPERATURE RANGE	UL/CSA
FIXED LAYING:	-40°C UP TO +105°C
FLEXIBLE APPLICATION: (not-continuously movement)	-5°C UP TO +105°C
MIN. BENDING RADIUS	
FIXED LAYING:	4 x D
FLEXIBLE INSTALLATION: (not-continuously movement)	15 x D

Features:

- SMALL BENDING RADIUS
- SUITABLE IN DRY, DAMP AND WET ENVIRONMENTS
- ON REQUEST BLACK
- NOMINAL VOLTAGE FOR IEC: 450/750 V
- UL RECOGNIZED AWM STYLE 21179 105°C 1000 V, CSA AWM I/II A/B OR STYLE 2587 90°C 600 V IDENTIFIED WITH "0" ON THE 5th NUMBER OF THE PART. NO, AND "F" ON THE 6th NUMBER OF THE PART. NO
- 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. *)
31151H51020A20	2 x 0,5	5,8	9,6	46,5	20
31151H50031A20	3 g 0,5	6,2	14,4	55,5	20
31151H50041A20	4 g 0,5	6,9	19,2	69,7	20
31151H50051A20	5 g 0,5	7,5	24	83,3	20
31151H50061A20	6 G0,5	8,4	28,8	103,6	20
31151H50071A20	7 g 0,5	8,4	33,6	107	20
31151H50081A20	8 g 0,5	9,9	38,4	142,8	20
31151H50091A20	9 g 0,5	10,4	43,2	158,2	20
31151H50101A20	10 g 0,5	10,6	48	166,5	20
31151H50121A20	12 g 0,5	10,9	57,6	181	20
31151H50141A20	14 g 0,5	11,6	67,2	206,3	20
31151H50161A20	16 g 0,5	12,2	76,8	230	20
31151H50181A20	18 g 0,5	13,2	86,4	266,8	20
31151H50191A20	19 g 0,5	13,2	91,2	270,2	20
31151H50211A20	21G 0,5	14,5	100,8	319,4	20
31151H50251A20	25 g 0,5	15,2	120	357,6	20
31151H50271A20	27 g 0,5	-	129,6	401,4	20
31151H50301A20	30 g 0,5	16,5	144	423,2	20
31151H50321A20	32 g 0,5	17,1	153,6	453,8	20
31151H50341A20	34 g 0,5	18	163,2	497,8	20
31151H50351A20	35 g 0,5	18	168	501,3	20
31151H50371A20	37 g 0,5	18	177,6	508,1	20
31151H50401A20	40 g 0,5	19,2	192	570,9	20
31151H50411A20	41 g 0,5	19,5	196,8	588	20
31151H50421A20	42 g 0,5	19,5	201,6	591,4	20
31151H50501A20	50 g 0,5	21,5	240	715,4	20
31151H50561A20	56 g 0,5	21,5	268,8	735,9	20
31151H50611A20	61 g 0,5	21,5	292,8	753	20
31151H51020A19	2 x 0,75	6,2	14,4	55,5	19
31151H50031A19	3 g 0,75	6,6	21,6	66,7	19

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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. (*)
31151H50041A19	4 g 0,75	7,4	28,8	85	19
31151H50051A19	5 g 0,75	8,3	36	106,8	19
31151H50061A19	6 g 0,75	9	43,2	126,2	19
31151H50071A19	7 g 0,75	9	50,4	131,3	19
31151H50081A19	8 g 0,75	10,6	57,6	173,4	19
31151H50091A19	9 g 0,75	11,4	64,8	199,2	19
31151H50101A19	10 g 0,75	11,6	72	209,8	19
31151H50121A19	12 g 0,75	11,9	86,4	228,3	19
31151H50141A19	14 g 0,75	12,7	100,8	261,8	19
31151H50151A19	15 g 0,75	13,1	108	279,1	19
31151H50161A19	16 g 0,75	13,3	115,2	290,4	19
31151H50181A19	18 g 0,75	14,3	129,6	333,2	19
31151H50191A19	19 g 0,75	14,3	136,8	338,3	19
31151H50211A19	21 g 0,75	15,8	151,2	401,7	19
31151H50241A19	24 g 0,75	16,5	172,8	443,7	19
31151H50251A19	25 g 0,75	16,6	180	452,8	19
31151H50261A19	26 g 0,75	17,2	187,2	481,8	19
31151H50271A19	27 g 0,75	17,7	194,4	507,5	19
31151H50301A19	30 g 0,75	18	216	535,5	19
31151H50321A19	32 g 0,75	18,6	230,4	571,6	19
31151H50341A19	34 g 0,75	19,6	244,8	626,8	19
31151H50361A19	36 x 0,75	19,6	259,2	637,1	19
31151H50371A19	37 x 0,75	19,6	266,4	642,2	19
31151H50421A19	42 x 0,75	21,4	302,4	754,8	19
31151H50451A19	45 x 0,75	22,8	324	843,1	19
31151H50501A19	50 x 0,75	23,3	360	895,9	19
31151H50611A19	61 g 0,75	23,3	439,2	952,3	19
31151H51020A18	2 x 1	6,5	19,2	63,4	18
31151H50031A18	3 g 1	7,1	28,8	79,9	18
31151H50041A18	4 g 1	7,7	38,4	97,2	18
31151H50051A18	5 g 1	8,7	48	123,3	18
31151H50061A18	6 g 1	9,4	57,6	145,1	18
31151H50071A18	7 g 1	9,4	67,2	151,9	18
31151H50081A18	8 g 1	11,4	76,8	207,8	18
31151H50091A18	9 g 1	11,9	86,4	228,3	18
31151H50101A18	10 g 1	12,2	96	243,7	18
31151H50121A18	12 g 1	12,8	115,2	275	18
31151H50141A18	14 G1	13,4	134,4	307,2	18
31151H50161A18	16 g 1	14,2	153,6	346,9	18
31151H50181A18	18 g 1	15,1	172,8	391,7	18
31151H50191A18	19 g 1	15,1	182,4	398,5	18
31151H50201A18	20 g 1	16,1	192	442,1	18
31151H50211A18	21 g 1	16,7	201,6	472,1	18
31151H50241A18	24 g 1	17,6	230,4	529	18
31151H50251A18	25 g 1	17,6	240	535,8	18
31151H50261A18	26 g 1	18,1	249,6	563,7	18
31151H50271A18	27 g 1	18,8	259,2	600,9	18
31151H50301A18	30 g 1	19,2	288	639,4	18
31151H50321A18	32 g 1	19,6	307,2	671,3	18
31151H50341A18	34 g 1	20,9	326,4	747	18
31151H50361A18	36 g 1	20,9	345,6	760,7	18
31151H50371A18	37 g 1	20,9	355,2	767,5	18
31151H50411A18	41 g 1	22,8	393,6	892,7	18
31151H50421A18	42 g 1	22,8	403,2	899,5	18
31151H50501A18	50 g 1	24,8	480	1066,3	18
31151H50561A18	56 g 1	24,8	537,6	1107,4	18
31151H50611A18	61 g 1	24,8	585,6	1141,6	18
31151H51020A16	2 x 1,5	7,3	28,8	83,7	16
31151H50031A16	3 g 1,5	7,7	43,2	101,2	16
31151H50041A16	4 g 1,5	8,6	57,6	128,9	16
31151H50051A16	5 g 1,5	9,5	72	158,6	16
31151H50061A16	6 g 1,5	10,5	86,4	192,6	16
31151H50071A16	7 g 1,5	10,5	100,8	203,1	16
31151H50081A16	8 g 1,5	12,4	115,2	264,8	16
31151H50091A16	9 G1,5	13,3	129,6	302,5	16
31151H50101A16	10 g 1,5	13,5	144	319,2	16
31151H50111A16	11 g 1,5	13,6	158,4	332,9	16
31151H50121A16	12 g 1,5	14,2	172,8	363	16

GAALFLEX® CONTROL 600

PVC control cable, UL1000 V



ELETTROTEK KABEL® GAALFLEX® CONTROL 600



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. (*)
31151H50141A16	14 g 1,5	14,8	201,6	404,4	16
31151H50161A16	16 g 1,5	15,8	230,4	461,4	16
31151H50181A16	18 g 1,5	16,7	259,2	516,8	16
31151H50191A16	19 g 1,5	16,7	273,6	527,2	16
31151H50201A16	20 g 1,5	17,9	288	586,6	16
31151H50211A16	21 g 1,5	18,7	302,4	631,5	16
31151H50241A16	24 g 1,5	19,5	345,6	698,9	16
31151H50251A16	25 g 1,5	19,6	360	714	16
31151H50261A16	26 g 1,5	20,3	374,4	757,3	16
31151H50271A16	27 g 1,5	20,8	388,8	792	16
31151H50301A16	30 g 1,5	21,4	432	853,2	16
31151H50321A16	32 g 1,5	21,9	460,8	899,6	16
31151H50341A16	34 g 1,5	23,3	489,6	995	16
31151H50371A16	37 g 1,5	23,3	532,8	1026,4	16
31151H50411A16	41 g 1,5	25,2	590,4	1176,8	16
31151H50421A16	42 g 1,5	25,2	604,8	1187,3	16
31151H50501A16	50 g 1,5	27,6	720	1420,2	16
31151H50561A16	56 g 1,5	27,6	806,4	1483	16
31151H50611A16	61 g 1,5	27,6	878,4	1535,3	16
31151H51020A14	2 x 2,5	8,5	48	120,1	14
31151H50031A14	3 g 2,5	9	72	147,8	14
31151H50041A14	4 g 2,5	10	96	187,7	14
31151H50051A14	5 g 2,5	11,2	120	235,2	14
31151H50071A14	7 g 2,5	12,2	168	297,7	14
31151H50081A14	8 g 2,5	14,6	192	390,9	14
31151H50091A14	9 g 2,5	15,6	216	444	14
31151H50101A14	10 g 2,5	15,9	240	472,6	14
31151H50121A14	12 g 2,5	16,4	288	526,6	14
31151H50141A14	14 g 2,5	17,4	336	601,4	14
31151H50161A14	16 g 2,5	18,5	384	682,8	14
31151H50181A14	18 g 2,5	19,6	432	767,2	14
31151H50241A14	24 g 2,5	23	576	1042,7	14
31151H50251A14	25 g 2,5	23	600	1060,1	14
31151H50341A14	34 g 2,5	27,4	816	1478,7	14
31151H51020A12	2 x 4	9,9	76,8	171,2	12
31151H50031A12	3 g 4	10,6	115,2	216	12
31151H50041A12	4 g 4	11,8	153,6	275,5	12
31151H50051A12	5 g 4	13,1	192	341,5	12
31151H50071A12	7 g 4	14,5	268,8	442,8	12
31151H50111A12	11 g 4	18,9	422,4	727,4	12
31151H50121A12	12 g 4	19,4	460,8	777,8	12
31151H51020A10	2 x 6	11,2	115,2	231,4	10
31151H50031A10	3 g 6	11,9	172,8	292,2	10
31151H50041A10	4 g 6	13,3	230,4	375,6	10
31151H50051A10	5 g 6	14,8	288	467,1	10
31151H50071A10	7 g 6	16,4	403,2	609,5	10
31151H51020A08	2 x 10	14,2	192	376,5	8
31151H50031A08	3 g 10	15,1	288	477,2	8
31151H50041A08	4 g 10	16,7	384	606,6	8
31151H50051A08	5 g 10	18,9	480	768,4	8
31151H50071A08	7 g 10	20,8	672	996,3	8
31151H50031A06	3 g 16	19,5	460,8	783,5	6
31151H50041A06	4 g 16	21,8	614,4	1007,3	6
31151H50051A06	5 g 16	24,5	768	1266,5	6
31151H50071A06	7 g 16	27,2	1075,2	1654,7	6
31151H50041A04	4 g 25	26	960	1493,8	4
31151H50051A04	5 g 25	29,1	1200	1869,4	4
31151H50071A04	7 g 25	32,2	1680	2442,1	4
31151H50041A02	4 g 35	29,2	1344	1977,8	2
31151H50051A02	5 g 35	32,7	1680	2476,4	2
31151H50041A01	3 g 50	32,1	1440	2255,6	1
31151H50051A01	4 g 50	35,9	1920	2907,2	1
31151H50041A2C	4 g 70	41,5	2688	3971,1	2/0
31151H50041A3C	4 g 95	45	3648	5078,9	3/0
31151H50041A4C	4 g 120	47,6	4608	5975,1	4/0
31151H50041A5C	4 g 150	54	5760	7584,5	250
31151H50041A7C	4 g 185	58,3	7104	9065,9	350

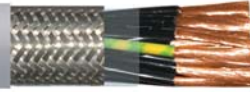
Other dimension and colours available on request.

GAALFLEX® CONTROL 600 CY Lean

PVC control cable with overall copper screen, UL 1000 V



ELETTROTEK KABEL® GAALFLEX® CONTROL 600 CY Lean



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL.5, ACC.TO IEC 60228, DIN VDE 0295
INSULATION:	GAALTHERM® 521
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
WRAPPING	PETP FOIL
SCREEN:	TINNED COPPER BRAID
OUTER SHEATH:	GREY (RAL 7001), GAALTHERM® 521

Resistance:



SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:
DIN VDE 0482 PART 265-2-1
EN 50265-2-1
IEC 60332-1-2,
UL VW-1, CSA FTI FT2



OIL RESISTANCE:
ACC. TO DIN EN 50290-2-22 RESP. VDE 0819-102, TM54

Technical data:

NOMINAL VOLTAGE:	UL/CSA 1000 V
TEST VOLTAGE:	3 kV ACC.TO DIN VDE 0281 PART 2 + HD 21.2
TEMPERATURE RANGE	UL/CSA
FIXED LAYING:	-40°C UP TO +105°C
FLEXIBLE APPLICATION: (not-continuously movement)	-5°C UP TO +105°C
MIN. BENDING RADIUS	
FIXED LAYING:	6 x D
FLEXIBLE INSTALLATION: (not-continuously movement)	20 x D

Features:

- HIGH MECHANICAL LOADING CAPACITY
- SUITABLE IN DRY, DAMP AND WET ENVIRONEMENTS
- NOMINAL VOLTAGE FOR IEC: 450/750 V
- UL RECOGNIZED AWM STYLE 21179 105°C 1000 V, CSA AWM I/II A/B OR STYLE 2587 90°C 600 V IDENTIFIED WITH "0" ON THE 5th NUMBER OF THE PART. NO. AND "F" ON THE 6th NUMBER OF THE PART. NO
- ROHS AND CE APPROVAL



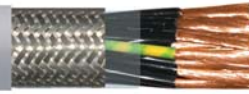
Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
31191H51020A20	2 x 0,5	6,4	28,7	59,3	20
31191H50031A20	3 g 0,5	7	33,7	71	20
31191H50041A20	4 g 0,5	7,5	43,8	89,3	20
31191H50051A20	5 g 0,5	8,3	48,7	105	20
31191H50061A20	6 G0,5	9	58,4	124,5	20
31191H50071A20	7 g 0,5	9	63,2	127,9	20
31191H50081A20	8 g 0,5	10,5	72,9	165,9	20
31191H50091A20	9 g 0,5	11,2	82,7	193,4	20
31191H50101A20	10 g 0,5	11,4	87,4	183,6	20
31191H50121A20	12 g 0,5	11,7	97	203	20
31191H50141A20	14 g 0,5	12,2	106,7	224,8	20
31191H50161A20	16 g 0,5	13	121,3	258,4	20
31191H50181A20	18 g 0,5	14,2	147,7	307,1	20
31191H50191A20	19 g 0,5	14,2	152,5	310,6	20
31191H50211A20	21G 0,5	15,3	171,1	356	20
31191H50251A20	25 g 0,5	16,2	199	399,5	20
31191H50271A20	27 g 0,5	17,2	208,5	430,9	20
31191H50301A20	30 g 0,5	17,5	222,9	460,6	20
31191H50321A20	32 g 0,5	17,9	241,5	491,6	20
31191H50341A20	34 g 0,5	19	250,8	527,5	20
31191H50351A20	35 g 0,5	19	255,6	536,4	20
31191H50371A20	37 g 0,5	19	265,2	548,7	20
31191H50401A20	40 g 0,5	20,2	288,6	613,3	20
31191H50411A20	41 g 0,5	20,5	293,4	628,3	20
31191H50421A20	42 g 0,5	20,5	298,2	637,2	20
31191H50501A20	50 g 0,5	22,3	345,4	725,5	20
31191H50561A20	56 g 0,5	22,3	374,2	780,5	20
31191H50611A20	61 g 0,5	22,3	398,2	822,1	20

GAALFLEX® CONTROL 600 CY Lean

PVC control cable with overall copper screen, UL 1000 V



ELETTROTEK KABEL® GAALFLEX® CONTROL 600 CY Lean



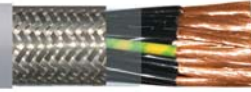
Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. (*)
31191H51020A19	2 x 0,75	7	33,7	70,1	19
31191H50031A19	3 g 0,75	7,4	46,2	85,8	19
31191H50041A19	4 g 0,75	8	53,6	103,4	19
31191H50051A19	5 g 0,75	8,9	65,6	126,8	19
31191H50061A19	6 g 0,75	9,8	72,9	149,6	19
31191H50071A19	7 g 0,75	9,8	80,1	154,7	19
31191H50081A19	8 g 0,75	11,4	97	204,1	19
31191H50091A19	9 g 0,75	12	104,2	226,8	19
31191H50101A19	10 g 0,75	12,2	111,5	216,2	19
31191H50121A19	12 g 0,75	12,7	130,9	251,6	19
31191H50141A19	14 g 0,75	13,3	145,3	279,6	19
31191H50151A19	15 g 0,75	14,1	169,4	318,5	19
31191H50161A19	16 g 0,75	14,3	176,7	332,3	19
31191H50181A19	18 g 0,75	15,1	199,7	372	19
31191H50191A19	19 g 0,75	15,1	206,9	377,2	19
31191H50211A19	21 g 0,75	16,6	230	439,6	19
31191H50241A19	24 g 0,75	17,5	251,7	473	19
31191H50251A19	25 g 0,75	17,6	259,1	485,8	19
31191H50261A19	26 g 0,75	18	274,9	508,3	19
31191H50271A19	27 g 0,75	18,7	282,3	532,7	19
31191H50301A19	30 g 0,75	19	303,6	570,8	19
31191H50321A19	32 g 0,75	19,4	318,2	599,8	19
31191H50341A19	34 g 0,75	20,6	341,3	652	19
31191H50361A19	36 x 0,75	20,6	355,7	675,2	19
31191H50371A19	37 x 0,75	20,6	362,9	680,4	19
31191H50421A19	42 x 0,75	22,2	407,6	787,8	19
31191H50451A19	45 x 0,75	23,6	438,1	834	19
31191H50501A19	50 x 0,75	24,3	474,1	909,4	19
31191H50561A19	61 g 0,75	24,3	553,3	1036,3	19
31191H51020A18	2 x 1	7,3	38,7	77	18
31191H50031A18	3 g 1	7,7	53,6	94,9	18
31191H50041A18	4 g 1	8,5	63,2	119,4	18
31191H50051A18	5 g 1	9,3	77,6	141,9	18
31191H50061A18	6 g 1	10,2	92,1	172,6	18
31191H50071A18	7 g 1	10,2	101,7	179,4	18
31191H50081A18	8 g 1	12	116,2	230,4	18
31191H50091A18	9 g 1	12,7	130,9	266,4	18
31191H50101A18	10 g 1	13	140,5	255,9	18
31191H50121A18	12 g 1	13,4	159,6	286,7	18
31191H50141A18	14 G1	14,4	195,9	343,6	18
31191H50161A18	16 g 1	15	223,9	386,4	18
31191H50181A18	18 g 1	16,1	243,1	432,4	18
31191H50191A18	19 g 1	16,1	252,7	439,2	18
31191H50201A18	20 g 1	17,1	270,9	488,6	18
31191H50211A18	21 g 1	17,7	280,5	510,4	18
31191H50241A18	24 g 1	18,6	318	558,3	18
31191H50251A18	25 g 1	18,6	327,6	572,5	18
31191H50261A18	26 g 1	19,1	337,4	590,9	18
31191H50271A18	27 g 1	19,6	355,6	617,2	18
31191H50301A18	30 g 1	20,2	384,6	673,9	18
31191H50321A18	32 g 1	20,6	403,7	708	18
31191H50341A18	34 g 1	21,9	431,6	767,9	18
31191H50361A18	36 g 1	21,9	450,8	796,3	18
31191H50371A18	37 g 1	21,9	460,4	803,1	18
31191H50411A18	41 g 1	23,6	507,7	914	18
31191H50421A18	42 g 1	23,6	517,3	928,2	18
31191H50501A18	50 g 1	25,8	602,8	1071	18
31191H50561A18	56 g 1	25,8	660,4	1158,7	18
31191H50611A18	61 g 1	25,8	708,4	1226,1	18
31191H51020A16	2 x 1,5	7,7	51,8	97,2	16
31191H50031A16	3 g 1,5	8,1	71,1	121	16
31191H50041A16	4 g 1,5	8,8	90,1	151,4	16
31191H50051A16	5 g 1,5	9,9	104,5	183,9	16
31191H50061A16	6 g 1,5	10,7	123,6	218,9	16
31191H50071A16	7 g 1,5	10,7	138	229,1	16
31191H50081A16	8 g 1,5	12,8	161,7	299,7	16
31191H50091A16	9 g 1,5	13,5	176,1	342,6	16

GAALFLEX® CONTROL 600 CY Lean

PVC control cable with overall copper screen, UL 1000 V



ELETTROTEK KABEL® GAALFLEX® CONTROL 600 CY Lean



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. *)
31191H50101A16	10 g 1,5	14,5	205,3	341,1	16
31191H50101A16	11 g 1,5	14,6	228,7	378,8	16
31191H50121A16	12 g 1,5	15	243,1	391,9	16
31191H50141A16	14 g 1,5	15,8	271,9	444,4	16
31191H50161A16	16 g 1,5	16,6	309,2	500,3	16
31191H50181A16	18 g 1,5	17,7	338,1	559,3	16
31191H50191A16	19 g 1,5	17,7	352,5	569,8	16
31191H50201A16	20 g 1,5	18,9	375,6	631,1	16
31191H50211A16	21 g 1,5	19,5	398,8	667,3	16
31191H50241A16	24 g 1,5	20,5	442,2	721,9	16
31191H50251A16	25 g 1,5	20,6	456,5	742,3	16
31191H50261A16	26 g 1,5	21,1	470,8	766,1	16
31191H50271A16	27 g 1,5	21,8	494	808,5	16
31191H50301A16	30 g 1,5	22,2	537,2	872,7	16
31191H50321A16	32 g 1,5	22,9	566,1	930,4	16
31191H50341A16	34 g 1,5	24,3	603,7	1005,5	16
31191H50371A16	37 g 1,5	24,3	646,9	1055,4	16
31191H50411A16	41 g 1,5	26,2	713,3	1198,1	16
31191H50421A16	42 g 1,5	26,2	727,7	1217,8	16
31191H50501A16	50 g 1,5	28,6	860,2	1413,7	16
31191H50561A16	56 g 1,5	28,6	946,6	1534,9	16
31191H50611A16	61 g 1,5	28,6	1018,6	1628,9	16
31191H51020A14	2 x 2,5	9,1	77,5	131,4	14
31191H50031A14	3 g 2,5	9,8	101,7	164,2	14
31191H50041A14	4 g 2,5	10,6	130,4	209,1	14
31191H50051A14	5 g 2,5	11,8	159,5	255,4	14
31191H50071A14	7 g 2,5	13	212,5	326,1	14
31191H50081A14	8 g 2,5	15,6	262,1	439,5	14
31191H50091A14	9 g 2,5	16,4	295,2	498,6	14
31191H50101A14	10 g 2,5	16,7	319,2	484,8	14
31191H50121A14	12 g 2,5	17,4	366,9	556,8	14
31191H50141A14	14 g 2,5	18,2	423,9	633,9	14
31191H50161A14	16 G2,5	19,3	471,6	714,4	14
31191H50181A14	18 g 2,5	20,6	528,5	808,3	14
31191H50241A14	24 g 2,5	23,8	690,1	1039,9	14
31191H50251A14	25 g 2,5	23,8	714,1	1070,2	14
31191H50341A14	34 g 2,5	28,2	956,6	1455,6	14
31191H51020A12	2 x 4	10,5	111,3	181	12
31191H50031A12	3 g 4	11,4	154,6	233,7	12
31191H50041A12	4 g 4	12,4	198,1	299,1	12
31191H50051A12	5 g 4	14,1	253,4	381,9	12
31191H50071A12	7 g 4	15,3	339,1	481,4	12
31191H50111A12	11 g 4	19,9	519	771,3	12
31191H50121A12	12 g 4	20,4	557,3	803,3	12
31191H51020A10	2 x 6	11,8	154,7	237,4	10
31191H50031A10	3 g 6	12,7	217,3	309,1	10
31191H50041A10	4 g 6	14,3	291,9	416,5	10
31191H50051A10	5 g 6	15,8	358,3	507,3	10
31191H50071A10	7 g 6	17,4	482,1	652,8	10
31191H50031A08	3 G10	16,1	358,3	496,9	8
31191H50041A08	4 g 10	17,7	462,9	649,8	8
31191H50051A08	5 g 10	19,9	576,6	809,3	8
31191H50071A08	7 g 10	21,8	777,2	1040,9	8
31191H50031A06	3 g 16	20,5	557,4	789	6
31191H50041A06	4 g 16	22,8	719,8	1045,3	6
31191H50051A06	5 g 16	25,3	890,8	1277,7	6
31191H50071A06	7 g 16	28	1215,6	1669,4	6
31191H50041A04	4 g 25	26,8	1091,7	1509,9	4
31191H50051A04	5 g 25	30,1	1348,9	1872,1	4
31191H50041A02	4 g 35	30,2	1493,3	1995,3	2
31191H50051A02	5 g 35	33,9	1885,5	2491,2	2
31191H50041A01	4 g 50	36,9	2153,2	2915,6	1
31191H50041A2C	4 g 70	42,5	2948,3	3903,4	2/0
31191H50041A3C	4 g 95	46	3935,6	4931,9	3/0
31191H50041A4C	4 g 120	48,6	4923,1	5868,3	4/0
31191H50041A5C	4 g 150	55	6116	7375,8	250 MCM
31191H50041A7C	4 g 185	59,3	7501,4	8785,6	350 MCM

Other dimension and colours available on request.

GAALFLEX® TRAY 1002

Special PVC oil resistant, flexible tray cable, Machine-Tool cable,
acc. to UL 1277 (TC-ER) DIR BUR OIL RES I 600 V 90°C Dry / 75°C Wet FT4
or UL 1277 FLEXIBLE MOTOR SUPPLY CABLE 1000 V 90°C Dry and UL 2277 WTTC 1000 V 90°C Dry or UL 1063 MTW "FLEXING"
or AWM 21179 c(UL) CONTROL CABLE C1C/TC PVC FT4 or AWM I/II A/B 90°C 1000 V FT1



ELETTROTEK KABEL® GAALFLEX® TRAY 1002, (UL) TC-ER DIR BUR OIL RES I 600 V 90°C DRY / 75°C WET FT4
or FLEXIBLE MOTOR SUPPLY CABLE 1000 V 90°C DRY or MTW "FLEXING" or AWM 21179 c(UL) CONTROL CABLE
C1C/TC PVC FT4 or AWM I/II A/B 90°C 1000 V FT1

Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC TO IEC 60228, DIN VDE 0295 AND UL STANDARD 83 FROM 18 TO 16 AWG: CORES TYPE TFF FROM 14 AWG AND OVER: CORES TYPE THHW
INSULATION:	GAALTHERM® 522
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
OUTER SHEATH:	BLACK (RAL 9005), SPECIAL PVC OIL RESISTANT COMPOUND ACC. TO UL 1277 AND UL 1063

Resistance:



FIRE PERFORMANCE ACC. TO:
(UL) FT4/IEEE, UL 1685



OIL RESISTANCE ACC. TO:
TO UL OIL RES I



UV RESISTANT / SUNLIGHT RESISTANT:
ACC. TO EN 50396 AND HD 605 A1, UL 1581

Technical data:

NOMINAL VOLTAGE:	UL-TC/MTW 600 V
NOMINAL VOLTAGE:	IEC / UL-AWM 1000 V
TEST VOLTAGE:	4 kV
TEMPERATURE RANGE	
FIXED LAYING:	-40°C UP TO +90°C (UL-AWM UP TO +105°C)
FLEXIBLE APPLICATION:	-5°C UP TO +90°C (UL-AWM UP TO +105°C)
MIN. BENDING RADIUS:	
FIXED LAYING:	4 x D
FLEXIBLE INSTALLATION:	13 x D

Features:

UL AWM STYLE 10012/21179 90°C 600 OR 1000 V
C(UL) CONTROL CABLE C1C/TC PVC FT4,
CSA AWM I/II A/B 90°C 1000 V FT1

ACC. TO UL 1063 UL(MTW) "FLEXING" AND UL 1277 (TC-ER)
DIR BUR OIL RES I 600 V 90°C DRY / 75°C WET FT4

ACC. TO UL 2277: FLEXIBLE MOTOR SUPPLY LEAD CABLE
AND WIND TURBINE TRAY CABLE (WTTC) 1000 V 90°C DRY

ACC. TO NFPA 79 2007 AND NEC 336.10(7)
CLASS 1 DIV. 2 ART 336, 392, 501

DIRECT BURIAL ACC. TO UL 1277 PART. 5.2.
(WET LOCATION INSULATIONS)
AND 18.1 - 18.6 (CRUSHING TEST)

OUTDOOR USE

EXPOSED RUNS

CABLE FOR TRAY USE

OIL RESISTANCE

WATER RESISTANCE

ROHS AND CE APPROVAL



GAALFLEX® TRAY 1002

Special PVC oil resistant, flexible tray cable, Machine-Tool cable,
acc. to UL 1277 (TC-ER) DIR BUR OIL RES I 600 V 90°C Dry / 75°C Wet FT4

or UL 1277 FLEXIBLE MOTOR SUPPLY CABLE 1000 V 90°C Dry and UL 2277 WTTC 1000 V 90°C Dry or UL 1063 MTW "FLEXING"
or AWM 21179 c(UL) CONTROL CABLE CIC/TC PVC FT4 or AWM I/II A/B 90°C 1000 V FT1



ELETTROTEK KABEL® GAALFLEX® TRAY 1002, (UL) TC-ER DIR BUR OIL RES I 600 V 90°C DRY / 75°C WET FT4
or FLEXIBLE MOTOR SUPPLY CABLE 1000 V 90°C DRY or MTW "FLEXING" or AWM 21179 c(UL) CONTROL CABLE
CIC/TC PVC FT4 or AWM I/II A/B 90°C 1000 V FT1

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.*)
32230H71020A20	2 x 0,5	7,3	9,6	69	20
32230H71020A18	2 x 1	8	19,2	90	18
32230H70031A18	3 g 1	8,4	28,8	105	18
32230H70041A18	4 g 1	9,2	38,4	125	18
32230H70051A18	5 g 1	10	48	150	18
32230H70071A18	7 g 1	10,9	67,2	185	18
32230H70081A18	8 g 1	12,8	76,8	245	18
32230H70101A18	10 g 1	14,2	96	305	18
32230H70121A18	12 g 1	14,7	115,2	335	18
32230H70181A18	18 g 1	17,1	172,8	470	18
32230H70251A18	25 g 1	19,5	240	620	18
32230H71020A16	2 x 1,5	8,7	28,8	110	16
32230H70031A16	3 g 1,5	9,2	43,2	130	16
32230H70041A16	4 g 1,5	10	57,6	150	16
32230H70051A16	5 g 1,5	10,9	72	190	16
32230H70071A16	7 g 1,5	11,9	100,8	240	16
32230H70081A16	8 g 1,5	14,6	115,2	335	16
32230H70121A16	12 g 1,5	16,1	172,8	430	16
32230H70181A16	18 g 1,5	18,8	259,2	600	16
32230H70251A16	25 g 1,5	22,7	360	860	16
32230H70651A16	65 g 1,5	33,9	936	2016	16
32230H71020A14	2 x 2,5	9,5	48	150	14
32230H70031A14	3 g 2,5	10	72	170	14
32230H70041A14	4 g 2,5	10,9	96	210	14
32230H70051A14	5 g 2,5	12	120	255	14
32230H70071A14	7 g 2,5	13,1	168	325	14
32230H70081A14	8 g 2,5	16,1	192	440	14
32230H70121A14	12 g 2,5	17,8	288	580	14
32230H70181A14	18 g 2,5	20,9	432	820	14
32230H70251A14	25 g 2,5	24,9	600	1167	14
32230H70031A12	3 g 4	11,4	115,2	235	12
32230H70041A12	4 g 4	12,5	153,6	295	12
32230H70051A12	5 g 4	14,5	192	385	12
32230H70071A12	7 g 4	15,8	268,8	485	12
32230H70031A10	3 G6	12,6	172,8	310	10
32230H70041A10	4 g 6	14,6	230,4	415	10
32230H70051A10	5 g 6	16	288	510	10
32230H70031A08	3 g 10	17,1	288	550	8
32230H70041A08	4 g 10	18,7	384	685	8
32230H70051A08	5 g 10	20,7	480	850	8
32230H70031A06	3 g 16	20,8	460,8	840	6
32230H70041A06	4 g 16	23,9	614,4	1115	6
32230H70051A06	5 g 16	26,4	768	1375	6
32230H70031A04	3 g 25	24,9	720	1254	4
32230H70041A04	4 g 25	27,4	960	1580	4
32230H70051A04	5 g 25	30,3	1200	1953	4
32230H70041A02	4 g 35	30,1	1344	2050	2
32230H70051A02	5 g 35	34,5	1680	2365	2
32230H70031A01	3 g 50	33,1	1440	2315	1
32230H70041A01	4 g 50	36,8	1920	2980	1
32230H70041A2C	4 g 70	41,8	2688	3975	2/0
32230H70041A3C	4 g 95	46,8	3648	5200	3/0
32230H70041A4C	4 g 120	49,4	4608	6330	4/0
32230H70041A5C	4 g 150	55	5760	7660	250 MCM
32230H70041AAC	4 g 240	67,6	9216	11650	500 MCM

Other dimension and colours available on request.

GAALFLEX® TRAY1002 CY Lean

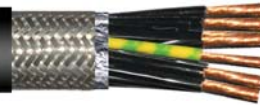
Special PVC oil resistant, flexible tray cable, Machine-Tool cable, with overall copper screen,
acc. to UL 1277 (TC-ER) DIR BUR OIL RES I 600 V 90°C Dry / 75°C Wet FT4

or UL 1277 FLEXIBLE MOTOR SUPPLY CABLE 1000 V 90°C Dry and UL 2277 WTTC 1000 V 90°C Dry

or UL 1063 MTW "FLEXING" or AWM 21179 c(UL) CONTROL CABLE CIC/TC PVC FT4 or AWM I/II A/B 90°C 1000 V FTI



ELETTROTEK KABEL® GAALFLEX® TRAY 1002 CY Lean, (UL) TC-ER DIR BUR OIL RES I 600 V 90°C DRY / 75°C WET FT4
or FLEXIBLE MOTOR SUPPLY CABLE 1000 V 90°C DRY or MTW "FLEXING" or AWM 21179 c(UL) CONTROL CABLE
CIC/TC PVC FT4 or AWM I/II A/B 90°C 1000 V FTI



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC TO IEC 60228, DIN VDE 0295 AND UL STANDARD 83 FROM 18 TO 16 AWG: CORES TYPE TFF FROM 14 AWG AND OVER: CORES TYPE THHW
INSULATION:	GAALTHERM® 522
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
SCREEN:	ALUMINIUM TAPE AND TINNED COPPER BRAID
OUTER SHEATH:	BLACK (RAL 9005), SPECIAL PVC OIL RESISTANT COMPOUND ACC. TO UL 1277 AND UL 1063

Resistance:



FIRE PERFORMANCE ACC. TO:
(UL) FT4/IEEE, UL 1685



OIL RESISTANCE ACC. TO:
TO UL OIL RES I



UV RESISTANT / SUNLIGHT RESISTANT ACC. TO:
EN 50396 AND HD 605 A1, UL 1581

Technical data:

NOMINAL VOLTAGE:	UL-TC/MTW 600 V
NOMINAL VOLTAGE:	IEC / UL-AWM 1000 V
TEST VOLTAGE:	4 kV
TEMPERATURE RANGE	
FIXED LAYING:	-40°C UP TO +90°C (UL-AWM UP TO +105°C)
FLEXIBLE APPLICATION:	-5°C UP TO +90°C (UL-AWM UP TO +105°C)
MIN. BENDING RADIUS:	
FIXED LAYING:	6 x D
FLEXIBLE INSTALLATION:	20 x D

Features:

UL AWM STYLE 10012/21179 90°C 600 OR 1000 V
C(UL) CONTROL CABLE CIC/TC PVC FT4,
CSA AWM I/II A/B 90°C 1000 V FTI

ACC. TO UL 1063 UL(MTW) "FLEXING" AND UL 1277 (TC-ER)
DIR BUR OIL RES I 600 V 90°C DRY / 75°C WET FT4

ACC. TO UL 2277: FLEXIBLE MOTOR SUPPLY LEAD CABLE
AND WIND TURBINE TRAY CABLE (WTTC) 1000 V 90°C DRY

ACC. TO NFPA 79 2007 AND NEC 336.10(7)
CLASS 1 DIV. 2 ART 336, 392, 501

DIRECT BURIAL ACC. TO UL 1277 PART. 5.2.
(WET LOCATION INSULATIONS)
AND 18.1 - 18.6 (CRUSHING TEST)

OUTDOOR USE

EXPOSED RUNS

CABLE FOR TRAY USE

OIL RESISTANCE

WATER RESISTANCE

ROHS AND CE APPROVAL

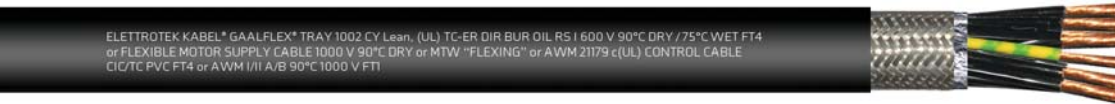


GAALFLEX® TRAY1002 CY Lean

Special PVC oil resistant, flexible tray cable, Machine-Tool cable, with overall copper screen,
acc. to UL 1277 (TC-ER) DIR BUR OIL RES I 600 V 90°C Dry / 75°C Wet FT4

or UL 1277 FLEXIBLE MOTOR SUPPLY CABLE 1000 V 90°C Dry and UL 2277 WTTC 1000 V 90°C Dry

or UL 1063 MTW "FLEXING" or AWM 21179 c(UL) CONTROL CABLE CIC/TC PVC FT4 or AWM I/II A/B 90°C 1000 V FT1



ELETTROTEKKABEL® GAALFLEX® TRAY 1002 CY Lean, (UL) TC-ER DIR BUR OIL RES I 600 V 90°C DRY / 75°C WET FT4
or FLEXIBLE MOTOR SUPPLY CABLE 1000 V 90°C DRY or MTW "FLEXING" or AWM 21179 c(UL) CONTROL CABLE
CIC/TC PVC FT4 or AWM I/II A/B 90°C 1000 V FT1

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. *)
32240H71020A18	2 x 1	8,5	44,0	100	18
32240H70031A18	3 g 1	8,9	58,4	122	18
32240H70041A18	4 g 1	9,7	67,9	145	18
32240H70051A18	5 g 1	10,5	82,6	175	18
32240H70071A18	7 g 1	11,4	106,7	212	18
32240H70121A18	12 g 1	15,5	185,2	350	18
32240H70181A18	18 g 1	17,9	260,5	485	18
32240H70251A18	25 g 1	20,3	336,3	610	18
32240H71020A16	2 x 1,5	9,2	58,4	125	16
32240H70031A16	3 g 1,5	9,7	72,7	145	16
32240H70041A16	4 g 1,5	10,5	92,2	185	16
32240H70051A16	5 g 1,5	11,4	111,5	220	16
32240H70071A16	7 g 1,5	12,4	145,3	270	16
32240H70121A16	12 g 1,5	16,9	251,8	450	16
32240H70181A16	18 g 1,5	19,6	355,6	630	16
32240H70191A16	19 g 1,5	19,6	370	636	16
32240H70251A16	25 g 1,5	23,4	474,0	770	16
32240H71020A14	2 x 2,5	10,0	82,5	158	14
32240H70031A14	3 g 2,5	10,5	106,6	190	14
32240H70041A14	4 g 2,5	11,4	135,6	240	14
32240H70051A14	5 g 2,5	12,5	164,4	290	14
32240H70071A14	7 g 2,5	14,6	229,6	390	14
32240H70121A14	12 g 2,5	18,5	375,9	610	14
32240H70181A14	18 g 2,5	22,6	537,5	850	14
32240H70031A12	3 g 4	11,9	154,6	260	12
32240H70041A12	4 g 4	13,0	198,1	335	12
32240H70051A12	5 g 4	15,2	262,1	435	12
32240H70071A12	7 g 4	16,5	348,0	550	12
32240H70031A10	3 G6	13,9	217,2	355	10
32240H70041A10	4 g 6	15,3	300,7	480	10
32240H70051A10	5 g 6	16,7	367,0	570	10
32240H70041A08	4 g 10	19,4	480,8	770	8
32240H70051A08	5 g 10	22,4	585,4	960	8
32240H70041A06	4 g 16	24,6	737,3	1210	6
32240H70051A06	5 g 16	27,1	899,7	1450	6
32240H70041A04	4 g 25	28,1	1100,6	1700	4
32240H70041A02	4 g 35	31,0	1502,0	2210	2
32240H70041A01	4 g 50	37,7	2166,7	3210	1
32240H70041A2C	4 g 70	44,2	2976,1	4400	2/0
32240H70041A3C	4 g 95	47,7	3963,5	5570	3/0
32240H70041A4C	4 g 120	50,3	4937,2	6660	4/0
32240H70041A5C	4 g 150	55,9	6130,5	8260	250 MCM

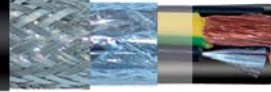
Other dimension and colours available on request.

GAALFLEX® TRAY VFD 1405 600 V

Inverter, connection to frequency converters, UV Resistant,
UL 2277 WTTC 1000 V, UL 1277 TC-ER 600 V 90°C Dry or 90°C Wet



ELETTROTEK KABEL® GAALFLEX® TRAY VFD 1405 600 V
UL 2277 WTTC or Flexible Motor Supply
UL 1277 TC-ER (Oil-resistant according to UL OIL RES I and Water-resistant, UL 90°C Dry or 90°C Wet)



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC. TO IEC 60228, DIN VDE 0295 AND UL STANDARD 83
INSULATION:	FROM 18 AWG UP TO 16 AWG: GAALTHERM® 520 FROM 14 AWG AND OVER: GAALTHERM® 591
CORES COLOR:	3x..+3g..: 3 BLACK CONDUCTORS NUMBERED + 3 GREEN-YELLOW CONDUCTORS DIVIDED IN 3 INERTSTICES 3x..+1g../ 4g..+(2x..) OR 4g..+(2x..+2x.): BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334 + GREEN/YELLOW
STRANDING:	3x..+1g..: CORES TWISTED TOGETHER + FILLERS 3x..+3g..: PHASE UNITS LAID UP WITH EARTH-CONDUCTORS IN INTERSTICES 4g..+(2x..) or 4g..+(2x..+2x.): CONTROL CORES TWISTED IN PAIR(S) AND SCREENED, SUPPLY CORES AND CONTROL SCREENED PAIR(S) TWISTED TOGETHER
INDIVIDUAL SCREEN:	4g..+(2x..) or 4g..+(2x..+2x.): ALUMINIUM TAPE + PETP FOIL AND TINNED COPPER BRAID 85% COVERAGE +/- 5%
OVERALL SCREEN:	ALUMINIUM TAPE + PETP FOIL AND TINNED COPPER BRAID 85% COVERAGE +/- 5%
OUTER SHEATH:	BLACK (SIMILAR RAL 9005), GAALTHERM® 520

Technical data:

NOMINAL VOLTAGE:	UL 1277 TC-ER 600 V UL 2277 WTTC 1000 V IEC: U ₀ /U 600/1000 V
TEMPERATURE RANGE:	UL: UP TO 90°C
FIXED LAYING:	-40 °C UP TO +105 °C
FLEXIBLE INSTALLATION:	-5 °C UP TO +105 °C
MIN. BENDING RADIUS	
FIXED LAYING:	6 x D
FLEXIBLE APPLICATION:	20 x D

Resistance:



FLAME RETARDANT AND SELF-EXTINGUISHING ACC.TO:
UL FT4/IEEE 1202
UL 1685



UV RESISTANT / SUNLIGHT RESISTANT ACC. TO:
EN 50396 AND HD 605 A1, UL 1581

Features:

- UV RESISTANT
- OUTDOOR USE
- INSTALLATION IN HAZARDOUS AREAS
- ACC. TO UL 2277 WTTC OR FLEXIBLE MOTOR SUPPLY
- ACC. TO UL 1277 (OIL-RESISTANT ACCORDING TO UL OIL RES I AND WATER-RESISTANT, UL 90°C DRY OR 90°C WET)
- UL ONLY FOR TC-ER USE
- ON REQUEST C(UL) TYPE C1C FT4
- ON REQUEST DIRECT BURIAL
- ACC. TO NFPA 79 2007 AND NEC 336.10(7) CLASS 1, DIV. 2 ART. 336, 392, 501
- ROHS AND CE APPROVAL



UL Standards:

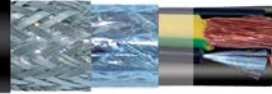
- UL 1277
- UL 2277

GAALFLEX® TRAY VFD 1405 600 V

Inverter, connection to frequency converters, UV Resistant,
UL 2277 WTTTC 1000 V, UL 1277 TC-ER 600 V 90°C Dry or 90°C Wet



ELETTROTEK KABEL® GAALFLEX® TRAY VFD 1405 600 V
UL 2277 WTTTC or Flexible Motor Supply
UL 1277 TC-ER (Oil-resistant according to UL OIL RES I and Water-resistant, UL 90°C Dry or 90°C Wet)



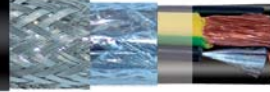
Part no.	No. of cores x cross section n x AWG/MCM	Outer Ø inches/mm ±10%	Copper weight Lbs/Mft - kg/km	Cable weight approx. Lbs/Mft - kg/km
33290F70041A14	4 g 14	0,456 - 11,4	91,4 - 136	150,5 - 224
33290F70041A12	4 g 12	0,52 - 13	136,4 - 203	209,7 - 312
33290F70041A10	4 g 10	0,612 - 15,3	202,3 - 301	301,1 - 448
33290F70041A08	4 g 8	0,776 - 19,4	323,2 - 481	479,8 - 714
33290F70041A06	4 g 6	0,912 - 22,8	489,2 - 728	702,2 - 1045
33290F70041A04	4 g 4	1,052 - 26,3	733,8 - 1092	1004 - 1494
33290F70041A02	4 g 2	1,168 - 29,2	1009,3 - 1502	1323,9 - 1970
33290F70041A01	4 g 1	1,384 - 34,6	1446,8 - 2153	1872,9 - 2787
33290F70041A2C	4 g 2/0	1,584 - 39,6	1990,5 - 2962	2526,7 - 3760
33290F70041A3C	4 g 3/0	1,784 - 44,6	2651 - 3945	3332,4 - 4959
33290F70041A4C	4 g 4/0	1,936 - 48,4	3317,7 - 4937	4085,1 - 6079
33290F70041A5C	4 g 250	2,088 - 52,2	4110,6 - 6117	4961,4 - 7383
33290F70041A7C	4 g 350	2,26 - 56,5	5041,3 - 7502	5999 - 8927
33290F70037A10	3 x 10 + 3 g 18	0,608 - 15,2	179,4 - 267	252 - 375
33290F70037A08	3 x 8 + 3 g 16	0,724 - 18,1	277,5 - 413	378,3 - 563
33290F70037A06	3 x 6 + 3 g 14	0,804 - 20,1	428,7 - 638	552,4 - 822
33290F70037A04	3 x 4 + 3 g 12	0,976 - 24,4	643,8 - 958	824,5 - 1227
33290F70037A02	3 x 2 + 3 g 10	1,08 - 27	887,7 - 1321	1077,9 - 1604
33290F70037A01	3 x 1 + 3 g 8	1,28 - 32	1308,4 - 1947	1560,4 - 2322
33290F70037A2C	3 x 2/0 + 3 g 8	1,46 - 36,5	1714,3 - 2551	1992,5 - 2965
33290F70037A3C	3 x 3/0 + 3 g 6	1,592 - 39,8	2332,5 - 3471	2598 - 3866
33290F70037A4C	3 x 4/0 + 3 g 6	1,788 - 44,7	2835,2 - 4219	3198,7 - 4760
33290F70037A5C	3 x 250 + 3 g 4	1,928 - 48,2	3608,6 - 5370	3972,9 - 5912
33290F70037A7C	3 x 350 + 3 g 2	2,084 - 52,1	4497,7 - 6693	4831,7 - 7190
33290F70037AAC	3 x 500 + 3 g 6	2,365 - 60,1	/ - /	6392 - 9511

GAALFLEX® TRAYVFD 1405 600 V

Inverter, connection to frequency converters, UV Resistant,
UL 2277 WTTTC 1000 V, UL 1277 TC-ER 600 V 90°C Dry or 90°C Wet



ELETTROTEK KABEL® GAALFLEX® TRAY VFD 1405 600 V
UL 2277 WTTTC or Flexible Motor Supply
UL 1277 TC-ER (Oil-resistant according to UL OIL RES I and Water-resistant, UL 90°C Dry or 90°C Wet)



Part no.	No. of cores x cross section n x AWG/MCM	Outer Ø inches/mm ±10%	Copper weight Lbs/Mft - kg/km	Cable weight approx. Lbs/Mft - kg/km
33290F7004BA14	4 g 14 + (2 x 18)C	0,608 - 15,2	135,7 - 202	229,2 - 341
33290F7004BA12	4 g 12 + (2 x 18)C	0,66 - 16,5	179,4 - 267	284,2 - 423
33291F7004BA14	4 g 14 + (2 x 16)C	0,63 - 15,7	149,9 - 223	246 - 366
33291F7004BA12	4 g 12 + (2 x 16)C	0,68 - 17	193,5 - 288	302,4 - 450
33291F7004BA10	4 g 10 + (2 x 16)C	0,72 - 18	245,3 - 365	359,6 - 535
33291F7004BA08	4 g 8 + (2 x 16)C	0,912 - 22,8	366,9 - 546	567,9 - 845
33291F7004BA06	4 g 6 + (2 x 16)C	1 - 25	528,9 - 787	747,9 - 1113
33292F7004BA14	4 g 14 + (2 x 14)C	0,638 - 16,2	162,6 - 242	256,7 - 382
33292F7004BA12	4 g 12 + (2 x 14)C	0,697 - 17,7	207 - 308	309,8 - 461
33292F7004BA10	4 g 10 + (2 x 14)C	0,744 - 18,9	264,1 - 393	323,9 - 482
33292F7004BA08	4 g 8 + (2 x 14)C	0,913 - 23,2	384,4 - 572	514,8 - 766
33292F7004BA06	4 g 6 + (2 x 14)C	1,012 - 25,7	545 - 811	708,3 - 1054
33292F7004BA04	4 g 4 + (2 x 14)C	1,138 - 28,9	788,9 - 1174	992,5 - 1477
33292F7004BA02	4 g 2 + (2 x 14)C	1,268 - 32,2	1058,4 - 1575	1297 - 1930
33292F7004BA01	4 g 1 + (2 x 14)C	1,504 - 38,2	1493,9 - 2223	1842,6 - 2742
33292F7004BA2C	4 g 2/0 + (2 x 14)C	1,72 - 43,7	2036,8 - 3031	2483 - 3695
33290F7004B900	4 g 14 + (2 x 18)C + (2 x 18)C	0,692 - 17,3	173,4 - 258	287,6 - 428
33290F7004B901	4 g 12 + (2 x 18)C + (2 x 18)C	0,74 - 18,5	216,4 - 322	346,1 - 515
33290F7004B902	4 g 12 + (2 x 18)C + (2 x 16)C	0,76 - 19	224,4 - 334	358,2 - 533
33290F7004B903	4 g 10 + (2 x 18)C + (2 x 16)C	0,8 - 20	283,6 - 422	424,7 - 632
33290F7004B904	4 g 8 + (2 x 18)C + (2 x 16)C	0,98 - 24,4	401,2 - 597	633 - 942
33290F7004B905	4 g 6 + (2 x 16)C + (2 x 16)C	1,08 - 27	571,9 - 851	826,6 - 1230
33290F7004B906	4 g 12 + (2 x 14)C + (2 x 14)C	0,78 - 19,8	266,1 - 396	396,5 - 590
33290F7004B907	4 g 10 + (2 x 14)C + (2 x 14)C	0,87 - 22,1	317,9 - 473	494,6 - 736
33290F7004B908	4 g 8 + (2 x 14)C + (2 x 14)C	1,004 - 25,5	435,5 - 648	665,3 - 990
33290F7004B909	4 g 6 + (2 x 14)C + (2 x 14)C	1,138 - 28,9	608,8 - 906	905,2 - 1347
33290F7004B910	4 g 4 + (2 x 14)C + (2 x 14)C	1,268 - 32,2	883,7 - 1315	1210,9 - 1802
33290F7004B911	4 g 2 + (2 x 14)C + (2 x 14)C	1,362 - 34,6	1141,7 - 1699	1485,8 - 2211

Other dimension and colours available on request.

GAALFLEX® TRAY 603

Special PVC oil resistant, continuously flexible tray cable, Machine-Tool cable, acc. to UL 1277 (TC-ER) and UL 1063 (MTW), 600 V



ELETTROTEK KABEL® GAALFLEX® TRAY 603

Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC TO IEC 60228, DIN VDE 0295 AND UL STANDARD 83 FROM 18 TO 16 AWG: CORES TYPE TFF FROM 14 AWG AND OVER: CORES TYPE THHW
INSULATION:	SPECIAL PVC TYPE QMTT2
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
WRAPPING:	NON WOVEN TAPE OVER EACH LAYER
OUTER SHEATH:	GREY (RAL 7001), SPECIAL PVC OIL RESISTANT COMPOUND ACC. TO UL 1277 AND UL 1063

Resistance:



FIRE PERFORMANCE ACC. TO:
(UL FT4/IEEE, UL 1685)



OIL RESISTANCE ACC. TO:
TO UL OIL RES I

Technical data:

NOMINAL VOLTAGE:	600 V
TEST VOLTAGE:	4 KV
TEMPERATURE RANGE	
FIXED LAYING:	- 40°C UP TO +90°C
FLEXIBLE APPLICATION:	- 5°C UP TO +90°C
MIN. BENDING RADIUS:	
FIXED LAYING:	4 X D
FLEXIBLE INSTALLATION:	7,5 X D

Features:

AWM STYLE 10012/2587 90°C 600 V, CSA AWM I/II A/B

ACC. TO UL 1063 UL(MTW) AND UL 1277 (TC-ER)
OIL RESISTANT ACC. TO UL OIL RES I,
WATER RESISTANCE AND UL WET APPROVAL 75°C

ACC. TO UL 2277: FLEXIBLE MOTOR SUPPLY LEAD CABLE
AND WIND TURBINE TRAY CABLE

ACC. TO NFPA 79 2007 AND NEC 336.10(7)
CLASS 1 DIV. 2 ART 336, 392, 501

EXPOSED RUNS

CABLE FOR TRAY USE

OIL RESISTANCE

WATER RESISTANCE

UP TO 8 MILION BENDING/UNBENDING CYCLES

UP TO 12 MT TRAVEL DISTANCE

ROHS AND CE APPROVAL



GAALFLEX® TRAY 603

Special PVC oil resistant, continuously flexible tray cable, Machine-Tool cable, acc. to UL 1277 (TC-ER) and UL 1063 (MTW), 600 V



ELETTROTEK KABEL® GAALFLEX® TRAY 603



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. (*)
32250F51020A18	2 x 1	8,1	19,2	95	18
32250F50031A18	3 g 1	8,8	28,8	115	18
32250F50041A18	4 g 1	9,5	38,4	135	18
32250F50051A18	5 g 1	10,4	48	165	18
32250F50071A18	7 g 1	12,2	67,2	225	18
32250F50081A18	8 g 1	13,1	76,8	260	18
32250F50121A18	12 g 1	15,2	115,2	360	18
32250F50181A18	18 g 1	17,7	172,8	495	18
32250F50251A18	25 g 1	20,9	240	700	18
32250F51020A16	2 x 1,5	8,7	28,8	110	16
32250F50031A16	3 g 1,5	9,5	43,2	140	16
32250F50041A16	4 g 1,5	10,2	57,6	165	16
32250F50051A16	5 g 1,5	11,2	72	200	16
32250F50071A16	7 g 1,5	13,2	100,8	280	16
32250F50081A16	8 g 1,5	14,9	115,2	350	16
32250F50121A16	12 g 1,5	16,5	172,8	450	16
32250F50181A16	18 g 1,5	19,3	259,2	630	16
32250F50251A16	25 g 1,5	23,9	360	940	16
32250F51020A14	2 x 2,5	9,5	48	145	14
32250F50031A14	3 g 2,5	10,4	72	180	14
32250F50041A14	4 g 2,5	11,2	96	220	14
32250F50051A14	5 g 2,5	12,3	120	270	14
32250F50071A14	7 g 2,5	15,3	168	405	14
32250F50081A14	8 g 2,5	16,4	192	460	14
32250F50121A14	12 g 2,5	18,2	288	605	14
32250F50031A12	3 g 4	11,8	115,2	250	12
32250F50041A12	4 g 4	12,8	153,6	305	12
32250F50051A12	5 g 4	14,8	192	400	12
32250F50071A12	7 g 4	17,9	268,8	575	12
32250F50031A10	3 g 6	14	172,8	360	10
32250F50041A10	4 g 6	15,1	230,4	440	10
32250F50051A10	5 g 6	16,6	288	540	10
32250F50041A08	4 g 10	19,4	384	730	8
32250F50051A08	5 g 10	22,6	480	955	8
32250F50041A06	4 g 16	25	614,4	1190	6
32250F50051A06	5 g 16	27,7	768	1470	6
32250F50041A04	4 g 25	27,9	960	1620	4
32250F50041A02	4 g 35	32,4	1344	2230	2

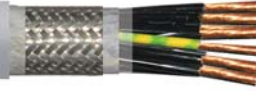
Other dimension and colours available on request.

GAALFLEX® TRAY603 CYLean

Special PVC oil resistant, continuously flexible tray cable, Machine-Tool cable, with overall copper screen, acc. to UL 1277 (TC-ER) and UL 1063 (MTW), 600 V



ELETTROTEK KABEL® GAALFLEX® TRAY 603 CY LEAN



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC TO IEC 60228, DIN VDE 0295 AND UL STANDARD 83 FROM 18 TO 16 AWG: CORES TYPE TFF FROM 14 AWG AND OVER: CORES TYPE THHW
INSULATION:	SPECIAL PVC TYPE QMTT2
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334, GREEN-YELLOW FROM 3 CORES
STRANDING:	IN LAYERS
WRAPPING:	NON WOVEN TAPE
SCREEN:	TINNED COPPER BRAID
WRAPPING:	NON WOVEN TAPE OVER EACH LAYER
OUTER SHEATH:	GREY (RAL7001), SPECIAL PVC OIL RESISTANT COMPOUND ACC. TO UL1277 AND UL1063

Resistance:



FIRE PERFORMANCE ACC. TO:
(UL FT4/IEEE, UL1685)



OIL RESISTANCE ACC. TO:
TO UL OIL RES I

Technical data:

NOMINAL VOLTAGE:	600 V
TEST VOLTAGE:	4 KV
TEMPERATURE RANGE	
FIXED LAYING:	- 40°C UP TO +90°C
FLEXIBLE APPLICATION:	- 5°C UP TO +90°C
MIN. BENDING RADIUS:	
FIXED LAYING:	4 X D
FLEXIBLE INSTALLATION:	7,5 X D

Features:

- AWM STYLE 10012/2587 90°C 600 V, CSA AWM I/II A/B
- ACC. TO UL1063 UL(MTW) AND UL1277 (TC-ER)
OIL RESISTANT ACC. TO UL OIL RES I,
WATER RESISTANCE AND UL WET APPROVAL 75°C
- ACC. TO UL 2277: FLEXIBLE MOTOR SUPPLY LEAD CABLE
AND WIND TURBINE TRAY CABLE
- ACC. TO NFPA 79 2007 AND NEC 336.10(7)
CLASS 1 DIV. 2 ART 336, 392, 501
- EXPOSED RUNS
- CABLE FOR TRAY USE
- OIL RESISTANCE
- WATER RESISTANCE
- UP TO 8 MILION BENDING/UNBENDING CYCLES
- UP TO 12 MT TRAVEL DISTANCE
- ROHS AND CE APPROVAL

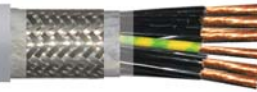


GAALFLEX® TRAY603 CYLean

Special PVC oil resistant, continuously flexible tray cable, Machine-Tool cable, with overall copper screen, acc. to UL 1277 (TC-ER) and UL 1063 (MTW), 600 V



ELETTROTEK KABEL® GAALFLEX® TRAY 603 CY LEAN



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. *)
32260F51020A18	2 x 1	8,7	47,6	105	18
32260F50031A18	3 g 1	9,4	57,1	125	18
32260F50041A18	4 g 1	10,1	72,3	150	18
32260F50051A18	5 g 1	11	87,4	180	18
32260F50071A18	7 g 1	12,8	112,4	235	18
32260F50081A18	8 g 1	13,9	146,9	280	18
32260F50121A18	12 g 1	16	195,8	385	18
32260F50181A18	18 g 1	18,5	263,5	515	18
32260F50251A18	25 g 1	21,7	350,8	680	18
32260F51020A16	2 x 1,5	9,3	56,9	120	16
32260F50031A16	3 g 1,5	10,1	77,1	150	16
32260F50041A16	4 g 1,5	10,8	97,1	185	16
32260F50051A16	5 g 1,5	11,8	117,2	215	16
32260F50071A16	7 g 1,5	14	171,1	305	16
32260F50081A16	8 g 1,5	15,7	195,6	370	16
32260F50121A16	12 g 1,5	17,3	263,6	470	16
32260F50181A16	18 g 1,5	20,1	359,7	640	16
32260F50251A16	25 g 1,5	24,7	490,8	910	16
32260F51020A14	2 x 2,5	10,1	81,9	150	14
32260F50031A14	3 g 2,5	11	111,4	190	14
32260F50041A14	4 g 2,5	11,8	141,2	240	14
32260F50051A14	5 g 2,5	12,9	165,4	275	14
32260F50071A14	7 g 2,5	16,1	248,2	425	14
32260F50081A14	8 g 2,5	17,2	282,6	450	14
32260F50121A14	12 g 2,5	19	388,8	615	14
32260F50031A12	3 g 4	12,4	160,6	255	12
32260F50041A12	4 g 4	13,6	224,2	340	12
32260F50051A12	5 g 4	15,6	262,2	420	12
32260F50031A10	3 g 6	14,8	243,4	375	10
32260F50041A10	4 g 6	15,9	310,7	475	10
32260F50051A10	5 g 6	17,4	378,4	560	10
32260F50041A08	4 g 10	20,2	484,7	740	8
32260F50051A08	5 g 10	23,4	600,6	945	8
32260F50041A06	4 g 16	25,8	744,9	1170	6
32260F50051A06	5 g 16	28,5	918,6	1405	6
32260F50041A04	4 g 25	28,7	1111	1585	4
32260F50041A02	4 g 35	33,4	1563,8	2170	2

Other dimension and colours available on request.