

# CONTROL AND CONNECTION CABLES

## GAALFLEX® TRAY 1002

Special PVC oil resistant, flexible tray cable, Machine-Tool cable,  
acc. to UL 1277 (TC-ER) and UL 1063 (MTW), 600V TC & MTW, 1000V AWM & IEC



ELETTROTEK KABEL® GAALFLEX® TRAY 1002



### Construction:

<b>Conductor:</b>	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
<b>Insulation:</b>	GAALTHERM® 522
<b>Colour cores:</b>	black cores with consecutive numbers acc. to EN 50334, green-yellow from 3 cores
<b>Stranding:</b>	in layers
<b>Outer sheath:</b>	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:

<b>Nominal voltage:</b>	<b>UL-TC/MTW</b> 600 V
<b>Nominal voltage:</b>	<b>IEC / UL-AWM</b> 1000 V
<b>Test voltage:</b>	4 kV
<b>Temperature range</b>	
<i>Fixed laying:</i>	- 40°C up to +90°C (UL-AWM up to +105°C)
<i>Flexible application:</i>	- 5°C up to +90°C (UL-AWM up to +105°C)
<b>Min. bending radius:</b>	
<i>Fixed laying:</i>	4 x d
<i>Flexible installation:</i>	13 x d

### Features:

**UL** AWM style 10012/21179 90°C 600 or 1000 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 (WTTC)  
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



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Part no.	No. of cores x cross section n x mm <sup>2</sup>	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
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
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 G 6	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.