

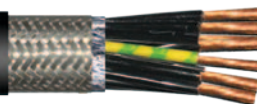
# CONTROL AND CONNECTION CABLES

## GAALFLEX® TRAY 1002 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

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  
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### 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>Screen:</b>	aluminium tape and tinned copper braid
<b>Outer sheath:</b>	black (RAL 9005), special PVC oil resistant compound acc. to UL 1277 and UL 1063

### 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>	6 x d
<i>Flexible installation:</i>	20 x d

### 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

### Features:

- 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 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



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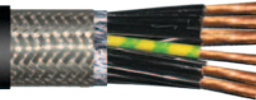
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ELETTROTEK KABEL® GAALFLEX® TRAY 1002 CY Lean, (UL) TC-ER DIR BUR OIL RES I 600 V 90°C DRY / 75°C WET FT4 or FLEXIBLE MOTOR SUPPLY CABLE 1000 V 90°C DRY or MTW "FLEXING" or AWM 21179 c(UL) CONTROL CABLE CIC/TC PVC FT4 or AWM I/II A/B 90°C 1000 V FT1



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. *)
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 G 6	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.