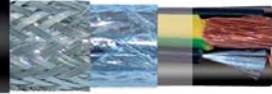


## GAALFLEX® TRAY VFD I 405 600 V

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:

<b>Conductor:</b>	flexible red copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295 and UL standard 83
<b>Insulation:</b>	from 18 AWG up to 16 AWG: GAALTHERM® 520  from 14 AWG and over: GAALTHERM® 591
<b>Cores color:</b>	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
<b>Stranding:</b>	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
<b>Individual screen:</b>	4g..+(2x..) or 4g..+(2x..+2x..): aluminium tape + PETP foil and tinned copper braid 85% coverage +/- 5%
<b>Overall screen:</b>	aluminium tape + PETP foil and tinned copper braid 85% coverage +/- 5%
<b>Outer Sheath:</b>	black ( similar RAL 9005), GAALTHERM® 520

### Resistance:



**Flame retardant and self-extinguishing:**  
UL FT4/IEEE 1202  
UL 1685



**UV resistant / Sunlight resistant:**  
according 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 CIC/TC FT4, AWM I/II A/B FT4  
on request DIRECT BURIAL  
acc. to NFPA 79 2007 and NEC 336.10(7) Class 1, Div. 2  
Art. 336, 392, 501  
suitable for application acc. to EN 55011, DIN VDE 0875  
and EN 61800-3  
suitable for chain application, see technical data\*  
RoHS and CE approval



### Technical data:

<b>Nominal voltage:</b>	<b>UL 1277 TC-ER</b> 600 V  <b>UL 2277 WTTC / Flexible Motor Supply</b> 1000 V  <b>IEC:</b> U <sub>0</sub> /U 600/1000 V
<b>Temperature range:</b>	<b>UL:</b> up to 90°C
<i>Fixed laying:</i>	- 40 °C up to + 105 °C
<i>Flexible installation:</i>	- 5 °C up to + 105 °C
<b>Min. bending radius:</b>	
<i>Fixed laying:</i>	6 x d
<i>Flexible application:</i>	20 x d
<i>*On chain application:</i>	> 10 x D
<b>*Chain travel length:</b>	≤ 5 mt
<b>*Chain speed max.:</b>	≤ 50 mt/min

### UL Standards:

UL 1277  
UL 2277

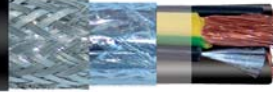
# GAALFLEX® VFD CABLES

## 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)



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
33290F70037A1C	3 x 1/0 + 3 G 10	1,295 - 32,9	/ - /	1669 - 2484
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
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.