

## GAALFLEX® TRAY 600 XR

Special XLPE UV and oil resistant, rigid tray cable,  
UL Type TC/TC-ER 600 V, 90°C dry or wet



ELETTROTEK KABEL® GAALFLEX® TRAY 600 XR



### Construction:

<b>Conductor:</b>	Stranded red copper conductor similar Cl. 2, acc. to ASTM B3 and B8
<b>Insulation:</b>	special XLPE type XHHW-2, flame retardant, acc. to UL 44 and ICEA S-95-658
<b>Colour cores:</b>	14 AWG up to 10 AWG from 2 up to 37 conductors, acc. to ICEA S-73-532 table E2 method 1 over 38 conductors, acc. to ICEA S-73-532 method 4, black numbered 8 AWG up to 750 MCM, acc. to ICEA S-73-532 method 4, black numbered
<b>Ground-Conductor insulation:</b>	<i>ground conductor with different section than the phase conductor:</i> 14 AWG up to 6 AWG, green insulation, acc. to UL 1277 4 AWG and Larger, uninsulated, acc. to UL 1277  <i>ground conductor with same section than the phase conductor:</i> green insulation, acc. to UL 1277
<b>Stranding:</b>	in layers + fillers
<b>Wrapping:</b>	synthetic tape
<b>Ripcord:</b>	nylon ripcord under outer sheath
<b>Outer sheath:</b>	black (RAL 9005), special PVC oil and UV resistance compound, flame retardant acc. to UL 1277

### Technical data:

<b>Nominal voltage UL:</b>	600 V
<b>Test voltage:</b>	4 kV
<b>Temperature range UL:</b>	up to +90°C
<i>Fixed laying:</i>	- 25°C
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Min. bending radius:</b>	
<i>Fixed laying:</i>	5 x d
<i>During Installation pull-in:</i>	8 x d

### Resistance:



**Fire performance acc. to:**  
acc. to UL 1685 and IEEE 383  
vertical fire tests at 70,000 BTU/hr  
acc. to IEEE 1202 and FT4,  
70,000 BTU/hr flame test  
acc. to ICEA T-29-520,  
210,000 BTU/hr flame test  
  
14 AWG up to 8 AWG acc. to VW-1  
6 AWG and larger are not acc. to VW-1

### Features:

cable for tray use  
outdoor use  
sunlight and moisture and weather resistance  
DIRECT BURIAL  
LEAD FREE  
UL listed for Exposed Run (ER), acc. to NEC 2008  
and NEC 2011 Article 336.10(7)  
acc. to ICEA S-95-658, NEMA publication No. WC-70  
  
suitable in class I Division 2 and Class 2 Division 2  
Hazardous Locations and intrinsically safe application  
acc. to NEC 2008 and NEC 2011 articles 392, 501, 502, 503, 505  
acc. to NEC 2008 and NEC 2011 articles 336.10 and 725  
for class 1 circuits  
acc. to NEC 2008 and NEC 2011 articles 336.10 and 760.27  
for non-power-limited- alarm circuit  
on request cables sized 4 AWG and larger  
with green insulation ground conductor  
on request ground conductor for *Multiconductor sections:*  
identified with "1" on the 11th number, of the Part. no,  
for sections from 3 up to 37 conductors,  
identified with "0" on the 8th number, and "1" on the 11th number  
of the Part. no, for sections over 38 conductors  
on request aluminium conductors for size 12 AWG  
up to 1000 kcmil  
on request aluminium/mylar tape screen  
(with or without tinned copper drain wire)  
on request Oil resistant I or Oil resistant II outer sheath  
on request 2000 V cables with RHH/RHW-2 insulated conductors  
RoHS approval



### UL Standards

**TC TC/ER: UL Standard 1277 Dry or Wet 90°C 600 V**  
**UL 44 thermoset insulation**

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2/3/4 CONDUCTORS + GROUND CONDUCTOR WITH DIFFERENT SECTION THAN THE PHASE CONDUCTOR

Part no.	No. of cores x cross section n x AWG/MCM	Outer-Ø inches/mm ± 10%	Cable weight approx. lbs/mft - kg/km
32030F7T025A4C	2 x 4/0 + 1 G 4	1,409	35,8
32030F70035A08	3 x 8 + 1 G 10	0,673	17,1
32030F70035A06	3 x 6 + 1 G 8	0,775	19,7
32030F70035A04	3 x 4 + 1 G 8	0,826	21
32030F70035A03	3 x 3 + 1 G 6	0,925	23,5
32030F70035A02	3 x 2 + 1 G 6	0,996	25,3
32030F70035A01	3 x 1 + 1 G 6	1,102	28
32030F70035A1C	3 x 1/0 + 1 G 6	1,189	30,2
32030F70035A2C	3 x 2/0 + 1 G 6	1,279	32,5
32030F70035A3C	3 x 3/0 + 1 G 4	1,409	35,8
32030F70035A4C	3 x 4/0 + 1 G 4	1,545	39,3
32030F70035A5C	3 x 250 + 1 G 4	1,642	41,7
32030F70035A6C	3 x 300 + 1 G 3	1,807	45,9
32030F70035A7C	3 x 350 + 1 G 3	1,941	49,3
32030F70035A8C	3 x 400 + 1 G 3	2,027	51,5
32030F70035AAC	3 x 500 + 1 G 2	2,197	55,8
32030F70035AFC	3 x 750 + 1 G 1	2,578	65,5
32030F70045A08	4 x 8 + 1 G 10	0,740	18,8
32030F70045A06	4 x 6 + 1 G 8	0,897	22,8
32030F70045A04	4 x 4 + 1 G 8	0,956	24,3
32030F70045A03	4 x 3 + 1 G 6	1,043	26,5
32030F70045A02	4 x 2 + 1 G 6	1,102	28
32030F70045A01	4 x 1 + 1 G 6	1,232	31,3
32030F70045A1C	4 x 1/0 + 1 G 6	1,319	33,5
32030F70045A2C	4 x 2/0 + 1 G 6	1,425	36,2
32030F70045A3C	4 x 3/0 + 1 G 6	1,543	39,2
32030F70045A4C	4 x 4/0 + 1 G 4	1,665	42,3
32030F70045A5C	4 x 250 + 1 G 4	1,890	48
32030F70045A6C	4 x 300 + 1 G 3	2,019	51,3
32030F70045A7C	4 x 350 + 1 G 3	2,126	54
32030F70045A8C	4 x 400 + 1 G 3	2,240	56,9
32030F70045AAC	4 x 500 + 1 G 2	2,433	61,8
32030F70045AFC	4 x 750 + 1 G 1	2,92	74,2

2/3/4 CONDUCTORS + GROUND CONDUCTOR WITH THE SAME SECTION THAN THE PHASE CONDUCTOR

Part no.	No. of cores x cross section n x AWG/MCM	Outer-Ø inches/mm ± 10%	Cable weight approx. lbs/mft - kg/km
32030F7T031A14	2 x 14 + 1 G 14	0,381	9,7
32030F7T031A12	2 x 12 + 1 G 12	0,422	10,7
32030F7T031A10	2 x 10 + 1 G 10	0,469	11,9
32030F70031A08	2 x 8 + 1 G 8	0,62	15,7
32030F70031A06	2 x 6 + 1 G 6	0,72	18,3
32030F70031A04	2 x 4 + 1 G 4	0,87	22,1
32030F70031A02	2 x 2 + 1 G 2	0,99	25,1
32030F70031A01	2 x 1 + 1 G 1	1,1	27,9
32030F70031A2C	2 x 2/0 + 1 G 2/0	1,28	32,5
32030F70031A3C	2 x 3/0 + 1 G 3/0	1,39	35,3
32030F70031A4C	2 x 4/0 + 1 G 4/0	1,51	38,4
32030F7T041A16	3 x 16 + 1 G 16	0,346	8,8
32030F7T041A14	3 x 14 + 1 G 14	0,416	10,6
32030F7T041A12	3 x 12 + 1 G 12	0,479	12,2
32030F7T041A10	3 x 10 + 1 G 10	0,553	14
32030F70041A08	3 x 8 + 1 G 8	0,726	18,4
32030F70041A06	3 x 6 + 1 G 6	0,868	22
32030F70041A04	3 x 4 + 1 G 4	0,993	25,2
32030F70041A02	3 x 2 + 1 G 2	1,155	29,3
32030F70041A00	3 x 1 + 1 G 1	1,21	30,7
32030F70041A2C	3 x 2/0 + 1 G 2/0	1,42	36,1
32030F70041A3C	3 x 3/0 + 1 G 3/0	1,53	38,9
32030F70041A4C	3 x 4/0 + 1 G 4/0	1,73	43,9
32030F70041AAC	3 x 500 + 1 G 500	2,4	61
32030F7T051A12	4 x 12 + 1 G 12	0,55	14
32030F7T051A10	4 x 10 + 1 G 10	0,610	15,5
32030F70051A04	4 x 4 + 1 G 4	1,09	27,7
32030F70051A02	4 x 2 + 1 G 2	1,236	31,4

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MULTICONDUCTOR:

Part no.	No. of cores x cross section n x AWG/MCM	Outer-Ø inches/mm ± 10%	Cable weight approx. lbs/mft - kg/km	
32030F7T020A14	2 x 14	0,386	9,8	77 115
32030F7T030A14	3 x 14	0,406	10,3	97 145
32030F7T040A14	4 x 14	0,445	11,3	121 180
32030F7T050A14	5 x 14	0,488	12,4	148 220
32030F7T060A14	6 x 14	0,528	13,4	175 260
32030F7T070A14	7 x 14	0,528	13,4	188 280
32030F7T080A14	8 x 14	0,602	15,3	218 325
32030F7T090A14	9 x 14	0,646	16,4	242 360
32030F7T100A14	10 x 14	0,689	17,5	269 400
32030F7T110A14	11 x 14	0,697	17,7	289 430
32030F7T120A14	12 x 14	0,717	18,2	309 460
32030F7T130A14	13 x 14	0,732	18,6	329 490
32030F7T140A14	14 x 14	0,756	19,2	349 520
32030F7T150A14	15 x 14	0,772	19,6	370 550
32030F7T190A14	19 x 14	0,858	21,8	457 680
32030F7T200A14	20 x 14	0,866	22	477 710
32030F7T250A14	25 x 14	1,012	25,7	618 920
32030F7T300A14	30 x 14	1,079	27,4	726 1080
32030F7T350A14	35 x 14	1,142	29	827 1230
32030F7T370A14	37 x 14	1,181	30	874 1300
32030F71400A14	40 x 14	1,201	30,5	934 1390
32030F71450A14	45 x 14	1,272	32,3	1035 1540
32030F71500A14	50 x 14	1,323	33,6	1136 1690
32030F7T020A12	2 x 12	0,421	10,7	94 140
32030F7T030A12	3 x 12	0,445	11,3	128 190
32030F7T040A12	4 x 12	0,488	12,4	161 240
32030F7T050A12	5 x 12	0,539	13,7	198 295
32030F7T060A12	6 x 12	0,614	15,6	249 370
32030F7T070A12	7 x 12	0,614	15,6	276 410
32030F7T080A12	8 x 12	0,661	16,8	296 440
32030F7T090A12	9 x 12	0,713	18,1	343 510
32030F7T100A12	10 x 12	0,756	19,2	363 540
32030F7T110A12	11 x 12	0,772	19,6	390 580
32030F7T120A12	12 x 12	0,799	20,3	420 625
32030F7T130A12	13 x 12	0,815	20,7	450 670
32030F7T120A12	12 x 12	0,839	21,3	480 715
32030F7T150A12	15 x 12	0,862	21,9	511 760
32030F7T190A12	19 x 12	0,957	24,3	659 980
32030F7T200A12	20 x 12	0,996	25,3	692 1030
32030F7T250A12	25 x 12	1,118	28,4	853 1270
32030F7T300A12	30 x 12	1,193	30,3	1001 1490
32030F7T350A12	35 x 12	1,268	32,2	1149 1710
32030F7T370A12	37 x 12	1,268	32,2	1284 1910
32030F71400A12	40 x 12	1,339	34	1297 1930
32030F71450A12	45 x 12	1,417	36	1445 2150
32030F71500A12	50 x 12	1,469	37,3	1586 2360
32030F7T020A10	2 x 10	0,472	12	131 195
32030F7T030A10	3 x 10	0,496	12,6	178 265
32030F7T040A10	4 x 10	0,547	13,9	228 340
32030F7T050A10	5 x 10	0,634	16,1	296 440
32030F7T060A10	6 x 10	0,689	17,5	346 515
32030F7T070A10	7 x 10	0,689	17,5	386 575
32030F7T080A10	8 x 10	0,744	18,9	417 620
32030F7T090A10	9 x 10	0,803	20,4	484 720
32030F7T100A10	10 x 10	0,858	21,8	511 760
32030F7T110A10	11 x 10	0,913	23,2	588 875
32030F7T120A10	12 x 10	0,937	23,8	632 940
32030F7T130A10	13 x 10	0,953	24,2	672 1000
32030F7T120A10	14 x 10	0,984	25	726 1080
32030F7T150A10	15 x 10	1,016	25,8	766 1140
32030F7T200A10	20 x 10	1,130	28,7	988 1470
32030F7T250A10	25 x 10	1,264	32,1	1216 1810
32030F7T300A10	30 x 10	1,346	34,2	1431 2130
32030F7T350A10	35 x 10	1,433	36,4	1653 2460
32030F71400A10	40 x 10	1,512	38,4	1868 2780
32030F71450A10	45 x 10	1,606	40,8	2090 3110
32030F71500A10	50 x 10	1,665	42,3	2305 3430

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32030F7T050A08	5 x 8	0,778	19,8	407 605
32030F7T070A08	7 x 8	0,891	22,6	577 858
32030F7T120A08	12 x 8	1,171	29,7	948 1410

Other dimension and colours available on request.