

GAALFLEX® TRAY 600 R CY

Special PVC UV and oil resistant tray cable, with overall Aluminium tape screen, type TFN or THHN/THWN-2, UL type TC 600V, 90°C wet and dry, exposed run (ER)*



ELETTROTEK KABEL® GAALFLEX® TRAY 600 R CY



Construction:

Conductor:	stranded red copper conductor similar Cl. 2, acc. to ASTM B3 and class B, stranded acc. to ASTM B8
Insulation:	special PVC/Nylon compound: from 1 sqmm up to 1,5 sqmm: UL 66 type TFN from 2,5 sqmm: UL 83 type THHN/THWN-2
Colour cores:	acc. to ICEA S-73-532 table E2
Stranding:	<i>construction 2x:</i> cores parallel <i>construction from 3 cores and overall:</i> in layers + fillers
Wrapping:	synthetic tape
Screen:	aluminium tape + tinned copper drain wire
Ripcord:	nylon ripcord under outer sheath
Outer sheath:	black (RAL 9005), special PVC oil and UV resistance compound, flame retardant acc. to UL 1277

Technical data:

Nominal voltage UL:	600V
Test voltage:	4 kV
Temperature range UL:	up to +90°C
<i>Fixed laying:</i>	- 25°C
Min. bending radius:	
<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.

Features:

type THHN/THWN-2: UL type TC, 600, rated 90°C,
wet and dry LEAD FREE, exposed runs (ER)*

TC: UL Standard 1277

wet and dry use

cable for tray use

UV resistance

weather resistance, direct burial class I, Div. 2 (also Zone 2),
and class II, Div. 2 hazardous location acc. to NEC

*Cables with 3 or more conductors are UL listed for exposed runs
(ER) when installed in accordance with NEC 336.10

on request green-ground conductor

RoHS 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. (*)
32070F7T030A18	3 x 1	7,47	28,7	73	18
32070F7T030A16	3 x 1,5	7,98	45,63	100	16
32070F7T020A14	2 x 2,5	8,5	48	115	14
32070F7T030A14	3 x 2,5	9	72	140	14
32070F7T040A14	4 x 2,5	9,7	96	170	14
32070F7T050A14	5 x 2,5	10,6	120	200	14
32070F7T060A14	6 x 2,5	11,5	144	230	14
32070F7T070A14	7 x 2,5	11,5	168	250	14
32070F7T080A14	8 x 2,5	12,6	192	290	14
32070F7T090A14	9 x 2,5	13,5	216	320	14
32070F7T100A14	10 x 2,5	15	240	380	14
32070F7T110A14	11 x 2,5	15,2	264	400	14
32070F7T120A14	12 x 2,5	15,7	288	440	14
32070F7T130A14	13 x 2,5	16	312	460	14
32070F7T140A14	14 x 2,5	16,4	336	490	14
32070F7T150A14	15 x 2,5	16,8	360	510	14
32070F7T160A14	16 x 2,5	17,3	384	550	14
32070F7T190A14	19 x 2,5	18,1	428	630	14
32070F7T200A14	20 x 2,5	18,6	480	660	14

POWER AND CONTROL CABLES

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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. *)
32070F7T250A14	25 x 2,5	20,7	600	800	14
32070F7T300A14	30 x 2,5	23,2	720	990	14
32070F7T370A14	37 x 2,5	24,8	888	1200	14
32070F7T400A14	40 x 2,5	25,7	960	1280	14
32070F7T450A14	45 x 2,5	27,2	1080	1420	14
32070F7T500A14	50 x 2,5	28,2	1200	1550	14
32070F7T020A12	2 x 4	9,7	77	150	12
32070F7T030A12	3 x 4	10,2	115	190	12
32070F7T040A12	4 x 4	11	154	230	12
32070F7T050A12	5 x 4	11,9	192	290	12
32070F7T060A12	6 x 4	13	230	330	12
32070F7T070A12	7 x 4	13	269	360	12
32070F7T080A12	8 x 4	14,8	307	420	12
32070F7T090A12	9 x 4	15,9	346	500	12
32070F7T100A12	10 x 4	16,9	384	530	12
32070F7T110A12	11 x 4	17,1	422	570	12
32070F7T120A12	12 x 4	17,7	461	620	12
32070F7T130A12	13 x 4	18	499	650	12
32070F7T140A12	14 x 4	18,5	538	690	12
32070F7T150A12	15 x 4	19	576	730	12
32070F7T160A12	16 x 4	19,3	614	770	12
32070F7T190A12	19 x 4	20,5	730	880	12
32070F7T200A12	20 x 4	21	768	950	12
32070F7T250A12	25 x 4	24,7	960	1190	12
32070F7T300A12	30 x 4	26,7	1152	1390	12
32070F7T370A12	37 x 4	28,4	1421	1680	12
32070F7T400A12	40 x 4	29,3	1536	1840	12
32070F7T450A12	45 x 4	31	1728	2050	12
32070F7T500A12	50 x 4	32	1920	2260	12
32070F7T020A10	2 x 6	11,2	115	200	10
32070F7T030A10	3 x 6	11,8	173	270	10
32070F7T040A10	4 x 6	12,9	230	300	10
32070F7T050A10	5 x 6	14,8	288	430	10
32070F7T060A10	6 x 6	16	347	500	10
32070F7T070A10	7 x 6	16	403	560	10
32070F7T080A10	8 x 6	17,7	461	630	10
32070F7T090A10	9 x 6	19	518	700	10
32070F7T100A10	10 x 6	20,3	576	760	10
32070F7T110A10	11 x 6	20,5	637	830	10
32070F7T120A10	12 x 6	22,3	691	950	10
32070F7T130A10	13 x 6	22,6	750	1000	10
32070F7T140A10	14 x 6	23,4	806	1130	10
32070F7T150A10	15 x 6	23,7	864	1200	10
32070F7T160A10	16 x 6	24,6	922	1290	10
32070F7T190A10	19 x 6	25,8	1095	1400	10
32070F7T200A10	20 x 6	26,6	1152	1470	10
32070F7T250A10	25 x 6	29,9	1440	1780	10
32070F7T300A10	30 x 6	31,7	1728	2120	10
32070F7T370A10	37 x 6	34,2	2131	2570	10
32070F7T400A10	40 x 6	35,4	2304	2760	10
32070F7T450A10	45 x 6	37,6	2592	3070	10
32070F7T500A10	50 x 6	39	2880	3400	10

Other dimension and colours available on request.