

GAALFLEX® TRAY 600 R

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



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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 62 type TFN from 2,5 sqmm: UL 83 type THHN/ THWN-2
Colour cores:	<i>MULTICONDUCTORS:</i> acc. to ICEA S-73-532 table E2 method 1 <i>3/4 CONDUCTORS+ GROUND CONDUCTOR:</i> 14 AWG up to 10 AWG, acc. to ICEA S-73-532 table E2 method 1 <i>8 AWG and larger,</i> acc. to ICEA S-73-532 method 4, black numbered
Ground-Conductor insulation*:	<i>14 AWG up to 6 AWG:</i> insulated green ground. <i>4 AWG up to 750 MCM:</i> uninsulated acc. to UL 1277
Stranding:	<i>construction 2x:</i> cores parallel <i>construction from 3 cores and overall:</i> in layers + fillers: <i>construction 3x+1G:</i> cores twisted together + fillers:
Wrapping:	synthetic tape
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>	
<i>Section up to 2 inch (51 mm) outer Ø:</i>	5 x d
<i>Section over 2 inch (51 mm) outer Ø:</i>	6 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 2008/2011,
as for Class III, Div 1&2 hazardous location acc. to NEC 2011

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

*ground conductor standard for sections 3x...+1G...,
on request green-ground conductors for other sections

RoHS approval



POWER AND CONTROL CABLES

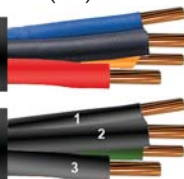
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MULTICONDUCTORS:

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/MCM no. *)
32020F7T030A18	3 x 1	7,31	23,7	52	18
32020F7T030A16	3 x 1,5	7,77	37,44	86	16
32020F7T020A14	2 x 2,5 (flat)	5,3 x 8,1	48	95	14
32020F7T030A14	3 x 2,5	8,8	72	120	14
32020F7T040A14	4 x 2,5	9,6	96	150	14
32020F7T050A14	5 x 2,5	10,4	120	180	14
32020F7T060A14	6 x 2,5	11,3	144	215	14
32020F7T070A14	7 x 2,5	11,3	168	240	14
32020F7T080A14	8 x 2,5	12,1	192	270	14
32020F7T090A14	9 x 2,5	13	216	300	14
32020F7T100A14	10 x 2,5	14,7	240	360	14
32020F7T110A14	11 x 2,5	14,9	264	380	14
32020F7T120A14	12 x 2,5	15,4	288	410	14
32020F7T130A14	13 x 2,5	15,7	312	440	14
32020F7T140A14	14 x 2,5	16	336	470	14
32020F7T150A14	15 x 2,5	16,5	360	500	14
32020F7T160A14	16 x 2,5	17,3	384	520	14
32020F7T190A14	19 x 2,5	17,8	428	600	14
32020F7T200A14	20 x 2,5	18,2	480	630	14
32020F7T250A14	25 x 2,5	20,4	600	780	14
32020F7T300A14	30 x 2,5	22,8	720	960	14
32020F7T370A14	37 x 2,5	24,7	888	1160	14
32020F7T400A14	40 x 2,5	25,5	960	1250	14
32020F7T450A14	45 x 2,5	26,8	1080	1390	14
32020F7T500A14	50 x 2,5	27,8	1200	1450	14
32020F7T020A12	2 x 4 (flat)	5,8 x 9,2	77	130	12
32020F7T030A12	3 x 4	9,8	115	170	12
32020F7T040A12	4 x 4	10,6	154	200	12
32020F7T050A12	5 x 4	11,7	192	260	12
32020F7T060A12	6 x 4	12,7	230	300	12
32020F7T070A12	7 x 4	12,7	269	330	12
32020F7T080A12	8 x 4	14,5	307	390	12
32020F7T090A12	9 x 4	15,7	346	450	12
32020F7T100A12	10 x 4	16,7	384	500	12
32020F7T110A12	11 x 4	16,9	422	540	12
32020F7T120A12	12 x 4	17,4	461	570	12
32020F7T130A12	13 x 4	17,7	499	630	12
32020F7T140A12	14 x 4	18,2	538	660	12
32020F7T150A12	15 x 4	18,8	576	710	12
32020F7T160A12	16 x 4	19,2	614	740	12
32020F7T190A12	19 x 4	20,3	730	860	12
32020F7T200A12	20 x 4	20,8	768	880	12
32020F7T250A12	25 x 4	24,3	960	1160	12
32020F7T300A12	30 x 4	25,9	1152	1380	12
32020F7T370A12	37 x 4	27,9	1421	1660	12
32020F7T400A12	40 x 4	28,9	1536	1830	12
32020F7T450A12	45 x 4	30,7	1728	2040	12
32020F7T500A12	50 x 4	31,8	1920	2240	12
32020F7T020A10	2 x 6 (flat)	6,7 x 11	115	180	10
32020F7T030A10	3 x 6	11,7	173	250	10
32020F7T040A10	4 x 6	12,7	230	295	10
32020F7T050A10	5 x 6	14,7	288	400	10
32020F7T060A10	6 x 6	16	347	490	10
32020F7T070A10	7 x 6	16	403	530	10
32020F7T080A10	8 x 6	17,2	461	600	10
32020F7T090A10	9 x 6	18,6	518	690	10
32020F7T100A10	10 x 6	19,9	576	740	10
32020F7T110A10	11 x 6	20,2	637	800	10
32020F7T120A10	12 x 6	20,8	691	870	10
32020F7T130A10	13 x 6	22,4	750	980	10
32020F7T140A10	14 x 6	22,9	806	1110	10
32020F7T150A10	15 x 6	23,5	864	1180	10
32020F7T160A10	16 x 6	24,2	922	1200	10
32020F7T190A10	19 x 6	25,4	1095	1380	10
32020F7T200A10	20 x 6	26,1	1152	1440	10
32020F7T250A10	25 x 6	29,3	1440	1770	10
32020F7T300A10	30 x 6	31,5	1728	2100	10
32020F7T370A10	37 x 6	33,9	2131	2550	10
32020F7T400A10	40 x 6	35,2	2304	2740	10
32020F7T450A10	45 x 6	37,2	2592	3050	10
32020F7T500A10	50 x 6	38,6	2880	3370	10

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3/4 CONDUCTORS + GROUND CONDUCTOR

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/MCM no. *)
32020F7T041A14	3x2,5+1G2,5	9,3	96	135	14/14
32020F7T041A12	3x4+1G4	10,4	153,6	188	12/12
32020F7T041A10	3x6+1G6	11,7	230,4	284	10/10
32020F70035A08	3x10+1G6	15,5	345,6	450	8/10
32020F70035A06	3x16+1G10	18,4	556,8	630	6/8
32020F70035A04	3x25+1G10	21,8	816	960	4/8
32020F70035A02	3x35+1G16	25,3	1162	1430	2/6
32020F70035A01	3x50 (42)+1G16	28,1	1221,12	1720	1/6
32020F70035A1C	3x50 (53)+1G16	30,7	1375	2160	1/0 /6
32020F70035A2C	3x70+1G16	32,9	2016	2590	2/0 /6
32020F70035A3C	3x95+1G25	35,8	2170	3160	3/0 /4
32020F70035A4C	3x120+1G25	38,9	3696	3835	4/0 /4
32020F70035A5C	3x150+1G25	42,1	4560	4510	250/4
32020F70035A7C	3x185+1G25 (27)	49,8	5584	6470	350/3
32020F70035AAC	3x240 (253)+1G35	56,7	7622	8660	500/2
32020F70045A08	4x10+1G6	17,2	442	560	8/10
32020F70045A06	4x16+1G10	19,8	403	815	6/8
32020F70045A04	4x25+1G10	23,9	1056	1220	4/8
32020F70045A02	4x35+1G16	27,5	1498	1825	2/6
32020F70045A01	4x50 (42)+1G16	31,7	1782	2260	1/6
32020F70045A1C	4x50 (53)+1G16	33,4	2204	2695	1/0 /6
32020F70045A2C	4x70+1G16	36,9	2842	3405	2/0 /6
32020F70045A3C	4x95+1G25	40	3660	4100	3/0 /4
32020F70045A4C	4x120+1G25	44,9	4848	5115	4/0 /4
32020F70045A5C	4x150+1G25	49,2	6000	6020	250/4
32020F70045A7C	4x185+1G25 (27)	55,4	7360	8155	350/3
32020F70045AAC	4x240 (253)+1G35	63,3	10051	11271	500/2
32020F70045AFC	4x400 (380)+1G50 (42)	78,6	15000	16910	750/1

Other dimension and colours available on request.