

TRACK CABLES

GAALFLEX® CHAIN T 87

Continuously flexible PVC control cable, DIN VDE 300/500 V UL/CSA 600 or 1000 V



ELETTROTEK KABEL® GAALFLEX® CHAIN T 87



Construction:

Conductor:	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295
Insulation:	PVC compound
Colour cores:	black cores with consecutive numbers acc. to EN 50334, green-yellow from 3 cores
Stranding:	in layers
Wrapping:	non woven tape over each layer
Outer sheath:	grey (RAL 7000 or 7001), PVC compound

Resistance:



Self-extinguishing and flame retardant acc. to:
 DIN VDE 0482 part 265-2-1
 EN 50265-2-1
 IEC 60332-1-2
 IEC 60332-3-24
 UL VW-1, CSA FT1



Oil resistance acc. to:
 DIN EN 50290-2-22 TM 54



UV resistant / Sunlight resistant:
 acc. to ISO 4892-3

Technical data:

Nominal voltage:	DIN VDE: U ₀ /U 300/500 V UL: 600 or 1000 V
Test voltage:	3 kV acc. to DIN VDE 0281 part 2 + HD 21.2
Temperature range	DIN VDE: -40°C up to +80°C UL/CSA: up to +90°C or 105°C
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible installation:</i>	-0°C up to +80°C
Radiation resistance:	8 x 10 ⁷ cj/kg
Min. bending radius	
<i>Fixed laying::</i>	4 x d
<i>Flexible installation</i>	7,5 x d
Max speed (main application):	
<i>unsupported:</i>	3 m/sec
<i>gliding:</i>	2 m/sec
Max acceleration (main application):	20 m/sec ²
Bending cycles (main application):	up to 4,5 milion
Travel distances (main application):	up to 9 mt
Max. torsion (main application):	up to 90°, for 1 mt. lenght

Features:

AWM Style 2587 90°C 600 V CSA AWM I/II A/B 90°C 600 V FT1 CE,
 or (identified with "H" on the 6th number of the Part. no) Style 20167 90°C 1000 V CSA AWM I/II A/B 90°C 1000 V FT1 CE,
 or Style 21179 90°C (or 105°C) 1000 V CSA AWM I/II A/B 90°C (or 105°C) 1000 V FT1 CE

good flexibility
 small outer diameter
 small bending radius

for SPEEDS and MINIMUM BENDING RADIUS
 see pages from 2 to 8 of catalogue

RoHS and CE 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.*)
36090F41020A20	2 x 0,5	5,1	9,6	35	20
36090F40031A20	3 G 0,5	5,6	14,4	45	20
36090F40041A20	4 G 0,5	6,0	19,2	50	20
36090F40051A20	5 G 0,5	6,5	24	60	20
36090F40071A20	7 G 0,5	7,7	33,6	85	20
36090F40081A20	8 G 0,5	7,8	38,4	100	20
36090F40121A20	12 G 0,5	9,3	57,6	130	20
36090F40181A20	18 G 0,5	11,2	86,4	195	20
36090F40251A20	25 G 0,5	13,4	20	265	20
36090F40341A20	34 G 0,5	15,0	163,2	340	20
36090F40501A20	50 G 0,5	17,4	240	475	20
36090F40611A20	61 G 0,5	19,2	292,8	595	20

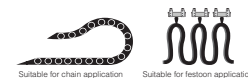
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Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
36090F41020A19	2 x 0,75	5,6	14,4	40	19
36090F40031A19	3 G 0,75	6,1	21,6	55	19
36090F40041A19	4 G 0,75	6,6	28,8	65	19
36090F40051A19	5 G 0,75	7,2	36	80	19
36090F40071A19	7 G 0,75	8,7	50,4	115	19
36090F40121A19	12 G 0,75	10,5	86,4	175	19
36090F40181A19	18 G 0,75	12,7	129,6	260	19
36090F40251A19	25 G 0,75	15,1	180	355	19
36090F40341A19	34 G 0,75	16,4	244,8	475	19
36090F40501A19	50 G 0,75	19,2	360	680	19
36090F40611A19	61 G 0,75	21,3	439,2	835	19
36090F41020A18	2 x 1	5,8	19,2	50	18
36090F40031A18	3 G 1	6,4	28,8	60	18
36090F40041A18	4 G 1	6,8	38,4	75	18
36090F40051A18	5 G 1	7,5	48	90	18
36090F40071A18	7 G 1	9,1	67,2	130	18
36090F40121A18	12 G 1	11,2	115,2	210	18
36090F40181A18	18 G 1	13,2	172,8	305	18
36090F40251A18	25 G 1	16	240	425	18
36090F40341A18	34 G 1	17,1	326,4	570	18
36090F40501A18	50 G 1	20,5	480	830	18
36090F40611A18	61 G 1	22,3	585,6	1000	18
36090F41020A16	2 x 1,5	6,4	28,8	60	16
36090F40031A16	3 G 1,5	7	43,2	80	16
36090F40041A16	4 G 1,5	7,6	57,6	100	16
36090F40051A16	5 G 1,5	8,5	72	130	16
36090F40071A16	7 G 1,5	10,3	100,8	180	16
36090F40121A16	12 G 1,5	12,6	172,8	285	16
36090F40181A16	18 G 1,5	14,9	259,2	415	16
36090F40251A16	25 G 1,5	18	360	580	16
36090F40341A16	34 G 1,5	19,1	489,6	780	16
36090F40501A16	50 G 1,5	22,8	720	1120	16
36090F40611A16	61 G 1,5	25	878,4	1365	16
36090F41020A14	2 x 2,5	7,4	48	100	14
36090F40031A14	3 G 2,5	8,6	72	125	14
36090F40041A14	4 G 2,5	9,3	96	150	14
36090F40051A14	5 G 2,5	10,4	120	200	14
36090F40071A14	7 G 2,5	12,7	168	285	14
36090F40121A14	12 G 2,5	15,6	288	450	14
36090F40181A14	18 G 2,5	18,8	432	650	14
36090F40251A14	25 G 2,5	22,8	600	880	14
36090F40031A12	3 G 4	10,2	115,2	185	12
36090F40041A12	4 G 4	11,2	153,6	240	12
36090F40051A12	5 G 4	12,6	192	300	12
36090F40071A12	7 G 4	15,1	268,8	445	12
36090F40031A10	3 G 6	12,5	172,8	275	10
36090F40041A10	4 G 6	13,5	230,4	350	10
36090F40051A10	5 G 6	15,4	288	445	10
36090F40071A10	7 G 6	17,7	403,2	640	10
36090F40031A08	3 G 10	14,6	288	455	8
36090F40041A08	4 G 10	17,6	384	584	8
36090F40051A08	5 G 10	19,8	480	739	6
36090F40031A06	3 G 16	17,7	460,8	680	6
36090F40041A06	4 G 16	20,7	614,4	870	6
36090F40051A06	5 G 16	23,3	768	1100	6
36090F40041A04	4 G 25	23,6	960	1300	4
36090F40051A04	5 G 25	26,4	1200	1650	4
36090F40041A02	4 G 35	27	1344	1800	2
36090F40051A02	5 G 35	29,9	1680	2200	2
36090F40041A01	4 G 50	31,5	1920	2500	1

Other dimension and colours available on request.