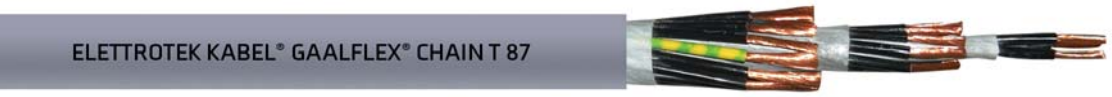
GAALFLEX® CHAIN T 87

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





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:** Uo/U 300/500 V **UL:** 600 V or 1000 V	
TEST VOLTAGE:	3 kV ACC. TO DIN VDE 0281 PART 2 + HD 21.2	
TEMPERATURE RANGE:	**DIN VDE:**	**UL/CSA:**
FIXED LAYING:	- 40°C UP TO + 80°C	UP TO + 90°C or 105°C
FLEXIBLE INSTALLATION:	0°C UP TO + 80°C	UP TO + 90°C or 105°C
RADIATION RESISTANCE:	8 x 10^7 cJ/kg	
MIN. BENDING RADIUS:		
FIXED LAYING:	4 x D	
FLEXIBLE INSTALLATION	7,5 x D	
MAX SPEED (MAIN APPLICATION):		
UNSUPPORTED:	3 mt/sec	
GLIDING:	2 mt/sec	
MAX ACCELERATION (MAIN APPLICATION):	20 mt/sec²	
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

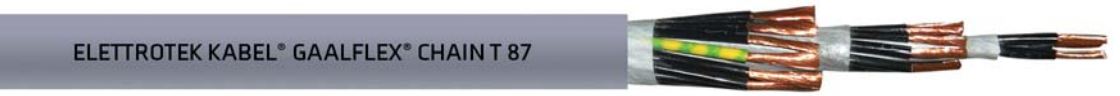
SMALL BENDING RADIUS

FOR SPEEDS AND MINIMUM BENDING RADIUS
SEE PAGES FROM 1 TO 2 OF CATALOGUE

ROHS AND CE APPROVAL

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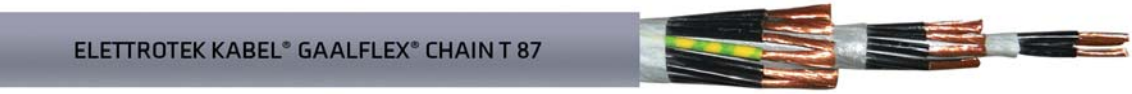




Part no.	No.of cores x cross section n x mm²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
36090F41020A20	2 x 0,5	5,1	9,6	35	20
36090F40031A20	3 g 0,5	5,6	14,4	45	20
36090F40041A20	4 g 0,5	6,0	19,2	50	20
36090F40051A20	5 g 0,5	6,5	24	60	20
36090F40071A20	7 g 0,5	7,7	33,6	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
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

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Part no.	No.of cores x cross section n x mm²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
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.