

# GAALFLEX® CHAIN TD 87 C

Continuously flexible PVC data cable with colored cores and overall copper screen, DIN VDE max. 350 V (UL) 300 V



ELETTROTEK KABEL® GAALFLEX® CHAIN TD 87 C



## Construction:

<b>CONDUCTOR:</b>	FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC. TO IEC 60228, DIN VDE 0295
<b>INSULATION:</b>	SPECIAL PVC COMPOUND ACC. TO UL 758
<b>COLOUR CORES:</b>	ACC. TO DIN 47100
<b>STRANDING:</b>	IN LAYERS
<b>WRAPPING:</b>	NON-WOVEN TAPE OVER EACH LAYER
<b>SCREEN:</b>	TINNED COPPER BRAID
<b>WRAPPING:</b>	NON-WOVEN TAPE
<b>OUTER SHEATH:</b>	GREY (RAL 7032), PVC TYPE TM2, ACC. TO UL 758

## Resistance:



**SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:**  
 DIN VDE 0472 PART 804  
 IEC 60332-1  
 IEC 60332-3-C  
 CSA FT1



**OIL RESISTANCE ACC. TO:**  
 DIN EN 50290-2-22 TM4

## Technical data:

<b>NOMINAL VOLTAGE UL:</b>	300 V
<b>TEST VOLTAGE:</b>	1,5 kV
<b>TEMPERATURE RANGE:</b>	<b>DIN VDE:</b> -40°C UP TO +80°C <b>UL/CSA:</b> UP TO +80°C
FIXED LAYING:	-40°C UP TO +80°C
FLEXIBLE INSTALLATION:	0°C UP TO +80°C
<b>RADIATION RESISTANCE:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>MIN. BENDING RADIUS:</b>	
FIXED LAYING:	4 x D
CONTINUOUSLY FLEXIBLE:	8 x D
<b>MAX ACCELERATION:</b>	20 m/s <sup>2</sup>
<b>MAX SPEED (MAIN APPLICATION):</b>	180 mt/min
UNSUPPORTED:	3 m/s
GLIDING:	2 m/s

## Features:

cULus AWM STYLE 2464 80°C 300V CSA-AWM I A/B II A/B  
 VERY GOOD FLEXIBILITY  
 SMALL OUTER DIAMETER  
 SMALL BENDING RADIUS  
 GOOD EMC CHARACTERISTICS  
 ROHS AND CE APPROVAL



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Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
36100C64020A22	2 x 0,34	5,3	24	48	22
36100C64030A22	3 x 0,34	5,7	27	54	22
36100C64040A22	4 x 0,34	6	30	61	22
36100C64050A22	5 x 0,34	6,6	33	70	22
36100C64070A22	7 x 0,34	7,7	47	94	22
36100C64080A22	8 x 0,34	8,3	50	103	22
36100C64100A22	10 x 0,34	8,4	56	110	22
36100C64120A22	12 x 0,34	9	66	128	22
36100C64020A20	2 x 0,5	5,6	26	53	20
36100C64030A20	3 x 0,5	6	32	61	20
36100C64040A20	4 x 0,5	6,4	36	70	20
36100C64050A20	5 x 0,5	7	44	83	20
36100C64070A20	7 x 0,5	8,2	57	108	20
36100C64080A20	8 x 0,5	9	65	125	20
36100C64100A20	10 x 0,5	9,1	75	135	20
36100C64120A20	12 x 0,5	9,6	88	155	20
36100C64020A19	2 x 0,75	6,1	31	61	19
36100C64030A19	3 x 0,75	6,5	38	71	19
36100C64040A19	4 x 0,75	7	49	89	19
36100C64050A19	5 x 0,75	7,7	60	104	19
36100C64070A19	7 x 0,75	9,2	78	138	19
36100C64080A19	8 x 0,75	9,9	88	157	19
36100C64100A19	10 x 0,75	10,1	103	172	19
36100C64120A19	12 x 0,75	10,6	122	198	19
36100C64020A18	2 x 1	6,3	36	67	18
36100C64030A18	3 x 1	6,8	49	82	18
36100C64040A18	4 x 1	7,2	59	100	18
36100C64050A18	5 x 1	8	72	117	18
36100C64070A18	7 x 1	9,6	98	160	18
36100C64080A18	8 x 1	10,3	107	178	18
36100C64100A18	10 x 1	10,5	132	200	18
36100C64120A18	12 x 1	11,3	151	234	18
36100C64020A16	2 x 1,5	6,9	49	83	16
36100C64030A16	3 x 1,5	7,4	63	101	16
36100C64040A16	4 x 1,5	8	81	127	16
36100C64050A16	5 x 1,5	9	99	152	16
36100C64070A16	7 x 1,5	10,6	136	206	16
36100C64080A16	8 x 1,5	11,7	151	237	16
36100C64100A16	10 x 1,5	11,9	184	268	16
36100C64120A16	12 x 1,5	12,5	213	306	16

Other dimension and colours available on request.