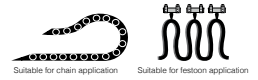


# TRACK CABLES

## FLEXIDRUM® T 210

High speed continuously flexible PUR halogen-free control cable,  
DIN VDE 0,6/1 kV, UL/CSA 600/1000V



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. *)
04110G41020A18	2x1	6,7	19,2	50	18
04110G40031A18	3 G 1	6,9	28,8	60	18
04110G40041A18	4 G 1	7,1	38,4	75	18
04110G40051A18	5 G 1	7,7	48	90	18
04110G40071A18	7 G 1	9	67,2	125	18
04110G40121A18	12 G 1	11	115,2	185	18
04110G40181A18	18 G 1	13	172,8	270	18
04110G40251A18	25 G 1	15,7	240	370	18
04110G40341A18	34 G 1	17,4	326,4	490	18
04110G40501A18	50 G 1	20,5	480	695	18
04110G40611A18	61 G 1	22,9	586,6	870	18
04110G41020A16	2x1,5	7,3	28,8	50	16
04110G40031A16	3 G 1,5	7,4	43,2	80	16
04110G40041A16	4 G 1,5	7,9	57,6	100	16
04110G40051A16	5 G 1,5	8,6	72	120	16
04110G40071A16	7 G 1,5	10,1	100,8	170	16
04110G40121A16	12 G 1,5	12,4	172,8	260	16
04110G40181A16	18 G 1,5	14,5	259,2	375	16
04110G40251A16	25 G 1,5	18	360	510	16
04110G40341A16	34 G 1,5	19,9	489,6	690	16
04110G40501A16	50 G 1,5	23,4	720	975	16
04110G40611A16	61 G 1,5	26	878,4	1200	16
04110G41020A14	2x2,5	8,3	48	78	14
04110G40031A14	3 G 2,5	8,8	72	125	14
04110G40041A14	4 G 2,5	10,2	96	160	14
04110G40051A14	5 G 2,5	11,1	120	190	14
04110G40071A14	7 G 2,5	13,2	168	270	14
04110G40121A14	12 G 2,5	15,8	288	420	14
04110G40181A14	18 G 2,5	18,6	432	620	14
04110G40251A14	25 G 2,5	22,8	600	830	14
04110G40031A12	3 G 4	10,5	115,2	180	12
04110G40041A12	4 G 4	11,4	153,6	230	12
04110G40051A12	5 G 4	12,5	192	290	12
04110G40031A10	3 G 6	12,4	172,8	260	10
04110G40041A10	4 G 6	13,8	230,4	330	10
04110G40051A10	5 G 6	15,1	288	420	10
04110G40031A08	3 G 10	15,6	288	430	8
04110G40041A08	4 G 10	17,3	384	360	8
04110G40051A08	5 G 10	19,3	480	520	8
04110G40031A06	3 G 16	18,2	460,8	620	6
04110G40041A06	4 G 16	20,2	614,4	800	6
04110G40051A06	5 G 16	22,4	768	1000	6
04110G40041A04	4 G 25	25,2	960	1200	4
04110G40051A04	5 G 25	25,7	1200	1500	4
04110G40041A02	4 G 35	26,8	1344	1620	2
04110G40051A02	5 G 35	28,7	1680	2030	2
04110G40051A01	4 G 50	34	1920	2280	1

Other dimension and colours available on request.

# TRACK CABLES

## FLEXIDRUM® TD 210 C

High speed continuously flexible PUR halogen-free with colored cores and overall copper screen, DIN VDE 300/500 UL/CSA 300 V



ELETTROTEK KABEL® FLEXIDRUM® TD 210 C



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	special TPE compound
<b>Colour cores:</b>	acc. to DIN 47100
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	netting tape over each layer and overall non-woven tape
<b>Screen:</b>	tinned copper braid
<b>Wrapping:</b>	non woven tape
<b>Outer sheath:</b>	grey (RAL 7032), PUR type TMPU, acc. to DIN VDE 0282 part 10 + HD 21.1

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL VW-1, CSA FT1, (acc. to dimension) FT2



**Oil resistance:**  
very good TMPU acc.to DIN VDE 0282 part 10  
DIN VDE 0473 part 811-2-1  
IEC EN 60811-2-1



**Halogen free acc. to:**  
DIN VDE 0482 part 267,  
EN 50267-2-1,  
IEC 60754-1

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE:</b> U <sub>0</sub> /U 300/500 V <b>UL/CSA:</b> 300 V
<b>Test voltage:</b>	1,5 kV acc. to DIN VDE 0472 part 509 core/screen 1,2 kV
<b>Temperature range</b>	<b>DIN VDE:</b> -50°C up to +90°C <b>UL/CSA:</b> up to +80°C
<i>Fixed laying:</i>	-50°C up to +90°C
<i>Flexible installation:</i>	-40°C up to +90°C
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cj/kg
<b>Min. bending radius</b>	
<i>Continuously flexible:</i>	7,5 x d
<b>Max speed (main application):</b>	250 m/min

### Features:

flexible at low temperatures  
high abrasion resistance  
mat surface outer sheath  
good against acids,alkalines,solvents,hydraulic liquids etc  
for SPEEDS and MINIMUM BENDING RADIUS  
see pages from 2 to 8 of catalogue

AWM Style 21198 80°C 300V  
CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



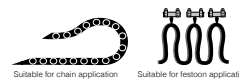
Part no.	No.of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
36360C64030A26	3 x 0,14	3,8	13	22	26
36360C64040A26	4 x 0, 14	4,1	16,2	27	26
36360C64050A26	5 x 0, 14	4,3	17,7	32	26
36360C64070A26	7 x 0, 14	4,9	22,7	45	26
36360C64100A26	10 x 0, 14	5,6	41	50	24
36360C64140A26	14 x 0,14	6,3	45	58	26
36360C64180A26	18 x 0,14	6,7	53,2	82	26
36360C64250A26	25 x 0,14	7,8	71,2	105	26
36360C64030A24	3 x 0,25	4,8	18,1	28	24
36360C64040A24	4 x 0, 25	5,1	20,7	33	24
36360C64050A24	5 x 0, 25	5,5	25,1	43	24
36360C64070A24	7 x 0, 25	6,2	32,5	55	24
36360C64100A24	10 x 0, 25	6,8	52	65	24
36360C64140A24	14 x 0,25	7,5	62	75	24
36360C64180A24	18 x 0,25	8,5	75,6	108	24
36360C64250A24	25 x 0,25	10	100,8	135	24
36360C64030A22	3 x 0,34	5,1	20,4	35	22
36360C64040A22	4 x 0,34	4,5	26,2	44	22
36360C64050A22	5 x 0,34	5,8	29,7	54	22
36360C64070A22	7 x 0,34	6,6	53	65	22
36360C64100A22	10 x 0,34	7,2	65	85	22
36360C64140A22	14 x 0,34	8	75	100	22
36360C64180A22	18 x 0,34	9	96,6	128	22
36360C64250A22	25 x 0,34	10,8	131,5	170	22

Other dimension and colours available on request.

# TRACK CABLES

## FLEXIDRUM® T 210 C

High speed continuously flexible PUR halogen-free control cable  
with overall copper screen, DIN VDE 0,6/1 kV, UL/CSA 600/1000 V



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	special TPE compound
<b>Colour cores:</b>	black cores with consecutive numbers acc. to EN 50334, green-yellow from 3 cores
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	tape over each layer
<b>Screen:</b>	tinned copper braid
<b>Wrapping:</b>	non-woven tape each layer
<b>Outer sheath:</b>	gray (similar to RAL 7000), PUR type TPU acc.to DIN VDE 0282 part.10 + HD 22.1

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL VW-1, CSA FT1, (acc. to dimension) FT2



**Oil resistance:**  
very good TPU acc.to DIN VDE 0282 part 10  
DIN VDE 0473 part 811-2-1  
IEC EN 60811-2-1




**Halogen free acc. to:**  
DIN VDE 0482 part 267,  
EN 50267-2-1,  
IEC 60754-1 (equivalent DIN VDE 0472 part 815)

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE:</b> U <sub>0</sub> /U 0,6/1 kV <b>UL/CSA:</b> 600/1000 V
<b>Test voltage:</b>	3 kV acc. to DIN VDE 0281 part 2 + HD 21.2 core/screen 2 kV
<b>Temperature range</b>	<b>DIN VDE:.</b> <b>UL/CSA:</b>
<i>Fixed laying:</i>	-50°C up to +90°C            up to +80°C
<i>Flexible installation:</i>	-40°C up to +90°C
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg
<b>Min. bending radius</b>	
<i>Continuously flexible:</i>	7,5 x d
<b>Max speed (main application):</b>	250 m/min

### Features:

flexible at low temperatures  
high abrasion resistance  
mat surface outer sheath  
good against acids, alkalines, solvents, hydraulic liquids etc  
good EMC resistance  
 WM Style 21223 80°C 600 1000 V  
CSA AWM I/II A/B 80°C 600V FT1 FT2 CE  
for SPEEDS and MINIMUM BENDING RADIUS  
see pages from 2 to 8 of catalogue

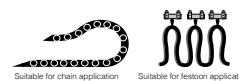
RoHS and CE approval



# TRACK CABLES

## FLEXIDRUM® T 210 C

High speed continuously flexible PUR halogen-free control cable  
with overall copper screen, DIN VDE 0,6/1 kV, UL/CSA 600/1000 V



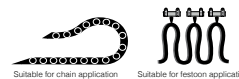
Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
04120G40031A20	3 G 0,5	6,3	43,6	58	20
04120G40041A20	4 G 0,5	6,7	51,1	67	20
04120G40051A20	5 G 0,5	7,1	61,5	77	20
04120G40071A20	7 G 0,5	8,2	74,1	101	20
04120G40121A20	12 G 0,5	9,6	108,2	151	20
04120G40181A20	18 G 0,5	11,1	143	203	20
04120G40251A20	25 G 0,5	12,9	217	299	20
04120G40301A20	30 G 0,5	14,3	235	330	20
04120G40311A20	36 G 0,5	14,6	275,3	379	20
04120G41020A19	2 x 0,75	6,4	27,3	53	19
04120G40031A19	3 G 0,75	6,9	54,1	70	19
04120G40041A19	4 G 0,75	7,3	64	82	19
04120G40051A19	5 G 0,75	7,9	74,3	98	19
04120G40071A19	7 G 0,75	9,2	92,3	123	19
04120G40121A19	12 G 0,75	11	142,4	192	19
04120G40181A19	18 G 0,75	12,6	215,3	294	19
04120G40251A19	25 G 0,75	15,2	289,7	386	19
04120G40301A19	30 G 0,75	16,5	320	440	19
04120G40311A19	36 G 0,75	16,7	387,7	520	19
04120G40031A18	3 G 1	7,1	66,4	82	18
04120G40041A18	4 G 1	8,1	77,3	97	18
04120G40051A18	5 G 1	8,6	89	114	18
04120G40071A18	7 G 1	10	117,9	159	18
04120G40121A18	12 G 1	12	174,9	239	18
04120G40181A18	18 G 1	13,8	270,2	353	18
04120G40251A18	25 G 1	16,5	367,5	481	18
04120G40301A18	30 G 1	18	410	550	18
04120G40311A18	36 G 1	18,3	478,7	633	18
04120G41020A16	2x1,5	7,4	45	75	16
04120G40031A16	3 G 1,5	8,1	81,5	104	16
04120G40041A16	4 G 1,5	8,8	101,2	125	16
04120G40051A16	5 G 1,5	9,3	122,2	145	16
04120G40071A16	7 G 1,5	11,1	156,8	206	16
04120G40121A16	12 G 1,5	13,4	269,7	341	16
04120G40181A16	18 G 1,5	15,5	369,2	465	16
04120G40251A16	25 G 1,5	17,5	493,4	633	16
04120G40301A16	30 G 1,5	20,5	525	750	16
04120G40311A16	36 G 1,5	20,7	660,3	856	16
04120G41020A14	2x2,5	8,8	65,5	110	14
04120G40031A14	3 G 2,5	8,7	122,8	159	14
04120G40041A14	4 G 2,5	11	150,1	197	14
04120G40051A14	5 G 2,5	11,5	179,6	236	14
04120G40071A14	7 G 2,5	14	265,2	335	14
04120G40121A14	12 G 2,5	16,3	417,1	525	14
04120G40181A14	18 G 2,5	19,7	571,4	739	14
04120G40251A14	25 G 2,5	23,7	780,8	1004	14
04120G40031A12	3 G 4	11,2	172,9	224	12
04120G40041A12	4 G 4	12,1	216,5	287	12
04120G40051A12	5 G 4	13,2	289,2	357	12
04120G40031A10	3 G 6	13,1	258,8	334	10
04120G40041A10	4 G 6	14,7	328,3	414	10
04120G40051A10	5 G 6	16	398,4	485	10
04120G40031A08	3 G 10	16,5	392,9	502	8
04120G40041A08	4 G 10	18,3	507,4	624	8
04120G40051A08	5 G 10	20,5	615,5	731	8
04120G40031A06	3 G 16	19,1	598,4	724	6
04120G40041A06	4 G 16	21,1	758,2	915	6
04120G40051A06	5 G 16	23,3	947,1	1101	6
04120G40041A04	4 G 25	25,9	1148	1312	4
04120G40051A04	5 G 25	28,5	1400,1	1610	4
04120G40041A02	4 G 35	29,7	1546,4	1765	2
04120G40051A02	5 G 35	32,5	1915,1	2119	2

Other dimension and colours available on request.

# TRACK CABLES

## FLEXIDRUM® TD 210 C TP

High speed continuously flexible PUR halogen-free, screened, twisted pairs data cable,  
DIN VDE 300/500 UL/CSA 300 V



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	special TPE compound
<b>Colour cores:</b>	acc. to DIN 47100
<b>Stranding:</b>	cores twisted in pairs, pairs twisted in layers
<b>Wrapping:</b>	netting tape over each layer
<b>Screen:</b>	tinned copper braid
<b>Wrapping:</b>	non woven tape
<b>Outer sheath:</b>	grey (RAL 7032), PUR type TMPU, acc. to DIN VDE 0282 part 10 + HD 21.1

### Resistance:



#### Self-extinguishing and flame retardant acc. to:

DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
UL VW-1, CSA FT1, (acc. to dimension) FT2



#### Oil resistance:

very good TMPU acc.to DIN VDE 0282 part 10  
DIN VDE 0473 part 811-2-1  
IEC EN 60811-2-1



#### Halogen free acc. to:

DIN VDE 0482 part 267,  
EN 50267-2-1,  
IEC 60754-1

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE:</b> U <sub>0</sub> /U 300/500 V <b>UL/CSA:</b> 300 V
<b>Test voltage:</b>	1,5 kV acc. to DIN VDE 0472 part 509 core/screen 1,2 kV
<b>Temperature range</b>	<b>DIN VDE:</b> <b>UL/CSA:</b>
<i>Fixed laying:</i>	-50°C up to +90°C      up to +80°C
<i>Flexible installation:</i>	-40°C up to +90°C
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg
<b>Min. bending radius</b>	
<i>Continuously flexible:</i>	7,5 x d
<b>Max speed (main application):</b>	250 m/min

### Features:

flexible at low temperatures

high abrasion resistance

mat surface outer sheath

good against acids,alkalines,solvents,hydraulic liquids etc

good EMC resistance

AWM Style 21198 80°C 300 V  
CSA AWM I/II A/B 80°C 300V FT1 FT2 CE  
or:  
c us AWM Style 20233 80°C 300 V FT2 CE

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

RoHS and CE approval



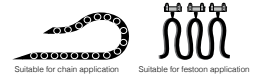
# TRACK CABLES

## FLEXIDRUM® TD 210 C TP

High speed continuously flexible PUR halogen-free, screened, twisted pairs data cable,  
DIN VDE 300/500 UL/CSA 300V



ELETTROTEK KABEL® FLEXIDRUM® TD 210 C TP



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. *)
36370C64022A26	2 x 2 x 0,14	5,3	17,4	28	26
36370C64032A26	3 x 2 x 0,14	5,9	20,2	32	26
36370C64042A26	4 x 2 x 0,14	6,3	24,7	39	26
36370C64052A26	5 x 2 x 0,14	6,7	28,8	46	26
36370C64072A26	7 x 2 x 0,14	7,8	35,9	59	26
36370C64102A26	10 x 2 x 0,14	9	47,5	72	24
36370C64142A26	14 x 2 x 0,14	9,8	62,7	96	26
36370C64182A26	18 x 2 x 0,14	10,4	89,6	129	26
36370C64252A26	25 x 2 x 0,14	11,7	114,3	170	26
36370C64022A24	2 x 2 x 0,25	5,7	21,8	35	24
36370C64032A24	3 x 2 x 0,25	6,3	28,3	44	24
36370C64042A24	4 x 2 x 0,25	7	36,1	52	24
36370C64052A24	5 x 2 x 0,25	7,5	41,1	71	24
36370C64062A24	6 x 2 x 0,25	8,3	47,3	89	24
36370C64072A24	7 x 2 x 0,25	8,5	54,1	92	24
36370C64102A24	10 x 2 x 0,25	10	70,8	101	24
36370C64142A24	14 x 2 x 0,25	10,8	108,7	153	24
36370C64182A24	18 x 2 x 0,25	11,4	133,4	189	24
36370C64252A24	25 x 2 x 0,25	12,9	171,9	262	24
36370C64022A22	2 x 2 x 0,34	6,1	20,3	40	22
36370C64032A22	3 x 2 x 0,34	7	34,9	52	22
36370C64042A22	4 x 2 x 0,34	7,5	43,2	63	22
36370C64052A22	5 x 2 x 0,34	8,1	53,1	73	22
36370C64072A22	7 x 2 x 0,34	9,3	66,4	94	22
36370C64102A22	10 x 2 x 0,34	10,8	90,5	121	22
36370C64142A22	14 x 2 x 0,34	11,8	138,3	181	22
36370C64182A22	18 x 2 x 0,34	12,4	169,2	223	22
36370C64252A22	25 x 2 x 0,34	14,2	247,3	313	22
36370C64022A20	2 x 2 x 0,5	6,3	34,6	52	20
36370C64032A20	3 x 2 x 0,5	7,5	47,3	69	20
36370C64042A20	4 x 2 x 0,5	8,5	61,4	87	20
36370C64052A20	5 x 2 x 0,5	9,5	73,1	115	20
36370C64062A20	6 x 2 x 0,5	10,7	85,3	147	20
36370C64072A20	7 x 2 x 0,5	11	108,4	161	20
36370C64082A20	8 x 2 x 0,5	12	121,5	175	20
36370C64102A20	10 x 2 x 0,5	13	143,3	192	20
36370C64142A20	14 x 2 x 0,5	15	191,7	276	20
36370C64182A20	18 x 2 x 0,5	16,5	257,8	345	20
36370C64252A20	25 x 2 x 0,5	19,5	336,5	446	20
36370C64022A19	2 x 2 x 0,75	9	47,4	69	19
36370C64032A19	3 x 2 x 0,75	9,5	66,2	87	19
36370C64042A19	4 x 2 x 0,75	10,5	101	112	19
36370C64052A19	5 x 2 x 0,75	11,5	118,8	163	19
36370C64072A19	7 x 2 x 0,75	12,5	148	212	19
36370C64082A19	8 x 2 x 0,75	14	188,0	258	19
36370C64102A19	10 x 2 x 0,75	15,5	228,0	296	19
36370C64142A19	14 x 2 x 0,75	17,5	296,9	390	19
36370C64182A19	18 x 2 x 0,75	19,5	366,1	482	19
36370C64252A19	25 x 2 x 0,75	22,5	480,5	620	19
36370C64032A18	3 x 2 x 1	10	88	128	18
36370C64042A18	4 x 2 x 1	10,7	101,4	153	18
36370C64052A18	5 x 2 x 1	11,7	119,4	190	18
36370C64062A18	6 x 2 x 1	12,8	140	250	18
36370C64062A16	6 x 2 x 1,5	14,8	226	319	16

Other dimension and colours available on request.





# SERVO CABLES





## GAALFLEX® SERVO T 806 UL

PVC motor connection cable

## GAALFLEX® SERVO T 806 C UL

PVC motor connection cable with overall copper screen



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 5 acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	special PP compound
<b>Colour cores:</b>	black cores with consecutive numbers acc. to EN 50334 +green-yellow
<b>Stranding:</b>	in layers
<b>Wrapping (T 806 C UL):</b>	PETP foil
<b>Screen (T 806 C UL):</b>	tinned copper braid
<b>Outer sheath:</b>	orange (RAL 2003), special PVC compound 90°C

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0472 part 804 test method B,  
IEC 60332-1, IEC 60332-3-24, CSA FT1



**Oil resistance acc. to:**  
EN 50290-2-22, VDE 0819-102

### Technical data:

<b>Nominal voltage:</b>	Uo/U 0,6/1 kV <b>UL/CSA:</b> 1000 V
<b>Test voltage:</b>	supply cores:4kV core screen: 1,5 kV
<b>Temperature range</b>	
<i>Fixed laying:</i>	- 40°C up to + 80°C
<i>Flexible installation:</i>	- 10°C up to + 80°C
<b>Min. bending radius (T 806 UL)</b>	
<i>Fixed laying:</i>	4 x d
<i>Flexible installation:</i>	15 x d
<b>Min. bending radius (T 806 C UL)</b>	
<i>Fixed laying:</i>	6 x d
<i>Flexible installation:</i>	20 x d

### Features:

UL AWM STYLE 2570 80°C 1000 V, CSA AWM I/II A/B

low capacitance

oil resistance

DESINA® colours

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

RoHS and CE approval



### DESINA® T 806 UL

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. *)
37170HG0041A19	4 G 0,75	7,1	28,8	76	19
37170HG0041A18	4 G 1	7,7	38,4	92	18
37170HG0041A16	4 G 1,5	8,5	57,6	120	16
37170HG0041A14	4 G 2,5	9,8	96	173	14
37170HG0041A12	4 G 4	11,6	153,6	255	12
37170HG0041A10	4 G 6	14,3	230,4	385	10
37170HG0041A08	4 G 10	17,2	384	595	8
37170HG0041A06	4 G 16	20,3	614,4	888	6
37170HG0041A04	4 G 25	23,6	960	1296	4

# SERVO CABLES



## GAALFLEX® SERVO T 806 UL

PVC motor connection cable

## GAALFLEX® SERVO T 806 C UL

PVC motor connection cable with overall copper screen

ELETTROTEK KABEL® GAALFLEX® SERVO T 806 UL

ELETTROTEK KABEL® GAALFLEX® SERVO T 806 C UL

### DESINA® T 806 C UL

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. *)
37180HG0041A16	4 G 1,5	8,2	82,3	120	16
37180HG0041A14	4 G 2,5	9,7	130,5	179	14
37180HG0041A12	4 G 4	11,5	193	256	12
37180HG0041A10	4 G 6	13,3	274,7	354	10
37180HG0041A08	4 G 10	16,3	463	568	8
37180HG0041A06	4 G 16	20,0	711	867	6
37180HG0041A04	4 G 25	24,5	1082,9	1309	4
37180HG0041A02	4 G 35	27,7	1475,8	1738	2
37180HG0041A01	4 G 50	33,2	2125,7	2498	1

### DESINA® T 806 C UL + 1 screened pair

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. *)
37182HG004BA16	4 G 1,5 + (2 x 1)C	11,7	132,8	168,2	16
37182HG004BA14	4 G 2,5 + (2 x 1)C	12,7	176	220,6	14
37182HG004BA12	4 G 4 + (2 x 1)C	14,2	250	305,8	12
37182HG004BA10	4 G 6 + (2 x 1)C	15,9	335,3	411	10
37183HG004BA16	4 G 1,5 + (2 x 1,5)C	12,1	144,9	170,9	16
37183HG004BA14	4 G 2,5 + (2 x 1,5)C	13,1	188,1	223,1	14
37183HG004BA12	4 G 4 + (2 x 1,5)C	14,6	270,6	315,7	12
37183HG004BA10	4 G 6 + (2 x 1,5)C	16,3	355,8	420,9	10
37183HG004BA08	4 G 10 + (2 x 1,5)C	18,9	517,9	617	8
37183HG004BA06	4 G 16 + (2 x 1,5)C	22	765,3	907,9	6
37183HG004BA04	4 G 25 + (2 x 1,5)C	26,2	1127,8	1344,4	4
37183HG004BA02	4 G 35 + (2 x 1,5)C	29,3	1528,8	1784	2
37183HG004BA01	4 G 50 + (2 x 1,5)C	34,4	2167,7	2534,8	1

### DESINA® T 806 C UL + 2 screened pairs

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. *)
37180HG004B900	4 G 1 + (2 x 0,75)C + (2 x 0,75)C	12,1	142,4	227	18
37180HG004B901	4 G 1,5 + (2 x 0,75)C + (2 x 0,75)C	12,7	166,5	255,8	16
37180HG004B902	4 G 1,5 + (2 x 1)C + (2 x 1)C	13,1	176,1	268,7	16
37180HG004B903	4 G 2,5 + (2 x 1)C + (2 x 1)C	14,4	230,8	334,4	14
37180HG004B904	4 G 4 + (2 x 1)C + (2 x 1,5)C	16,3	319,6	445,9	12
37180HG004B905	4 G 6 + (2 x 1)C + (2 x 1,5)C	17,9	404,9	552,2	10
37180HG004B906	4 G 10 + (2 x 1)C + (2 x 1,5)C	20,4	566,9	750,8	8
37180HG004B907	4 G 16 + (2 x 1,5)C + (2 x 1,5)C	23,5	828,5	1059,3	6
37180HG004B908	4 G 25 + (2 x 1,5)C + (2 x 1,5)C	27,2	1191,1	1492	4
37180HG004B909	4 G 35 + (2 x 1,5)C + (2 x 1,5)C	30,4	1592	1934,4	2

Other dimension and colours available on request.

# SERVO CABLES

## GAALFLEX® SERVO T 807 C

PE/PVC feedback cable with coloured cores and overall copper screen

## GAALFLEX® SERVO T 808 C

paired PE/PVC transmission cable with coloured cores and overall copper screen

ELETTROTEK KABEL® GAALFLEX® SERVO T 807 C

ELETTROTEK KABEL® GAALFLEX® SERVO T 808 C

### Construction:

<b>Conductor:</b>	stranded red copper conductor, acc. to DIN VDE 0812
<b>Insulation:</b>	PE type L/MD acc. to DIN VDE 0819 part. 103
<b>Colour cores:</b>	acc. to DIN 47100
<b>Stranding</b>	
<i>T 807 C:</i>	in layers
<i>T 808 C:</i>	supply cores: in layers control cores: in pairs
<b>Screen:</b>	acc to dimension: pairs screened or wrapped individually with tinned copper braid
<b>Wrapping:</b>	PETP foil
<b>Stranding:</b>	supply cores and control cores together in layers
<b>Wrapping:</b>	PETP foil
<b>Screen:</b>	tinned copper braid
<b>Wrapping:</b>	non-woven tape
<b>Outer sheath:</b>	grey (RAL 7000), PVC type TM2, acc. to DIN VDE 0281 part. 1

### Resistance:



**Oil resistance acc. to:**  
internal standard, IEC 60811-2-1

### Technical data:

#### Peak operating voltage

*T 807 C:* max. 500 V

*T 808 C:* max. 350 V

**Test voltage:** 2kV

#### Temperature range

*Fixed laying:* - 30°C up to +70°C

*Flexible installation:* - 5°C up to + 70°C

**Radiation resistance:**  $8 \times 10^7$  cJ/kg

#### Min. bending radius

*Fixed laying:* 5 x d

*Flexible installation:* 10 x d

*Continuously flexible:* 12 x d

### Features:

- possible standard DESINA
- very good EMC characteristics
- high functionality
- space-saving application
- good handling
- chemical resistant
- Weather resistant
- RoHS and CE approval



# SERVO CABLES

## GAALFLEX® SERVO T 807 C

PE/PVC feedback cable with coloured cores and overall copper screen

## GAALFLEX® SERVO T 808 C

paired PE/PVC transmission cable with coloured cores and overall copper screen



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. *)
Motor feedback cable					
37110D44090M05	9 x 0,5	8,4	68,2	107	20
Transmission cable					
37120C44049900	4 x 2 x 0,25 + 2 x 0,5	8,1	53,7	82	24/20
37120C44049901	4 x 2 x 0,25 + 2 x 1	8,4	63,3	93	24/18
37120C44049902	4 x 2 x 0,14 + 4 x 0,5	8,3	54,9	85	26/20
37120C44109903	10 x 0,14 + 2 x 0,5	7,4	44	73	26/20
37120C44109904	10 x 0,14 + 4 x 0,5	8,0	57,5	92	26/20
37120C44049905	4 x 2 x 0,38 + 4 x 0,5	10,1	78,7	128	-/20
37120C44039906	3 x (2 x 0,14)C + 2 x 1	8,2	77,9	100	26/18
37120C44039907	3 x (2 x 0,14)C + 2 x (0,5)C	8,2	81,9	100	26/18
37120DEX042908	4x(2x0,34)C	10,2	102	160	22

Other dimension and colours available on request.



# SERVO CABLES



## SPECIAL GAALFLEX® SERVO T 830

PVC motor connection cable

## SPECIAL GAALFLEX® SERVO T 830 C

PVC motor connection cable with overall copper screen



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 6 acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	special PP compound
<b>Colour cores:</b>	black cores with consecutive numbers acc. to EN 50334 +green-yellow
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	non-woven tape
<b>Screen (SPECIAL T 830 C):</b>	tinned copper braid
<b>Wrapping (SPECIAL T 830 C):</b>	non-woven tape
<b>Outer sheath:</b>	orange (RAL 2003), special PVC compound 90°C

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0472 part 804 test method B,  
IEC 60332-1, IEC 60332-3-24, CSA FT1



**Oil resistance acc. to:**  
EN 50363-4-1

### Technical data:

<b>Nominal voltage:</b>	Uo/U 0,6/1 kV <b>UL/CSA:</b> 1000 V
<b>Test voltage:</b>	supply cores:4kV core screen: 1,5 kV
<b>Temperature range</b>	
<i>Fixed laying:</i>	- 40°C up to + 80°C
<i>Flexible installation:</i>	- 10°C up to + 80°C
<b>Min. bending radius</b>	
<i>Fixed laying:</i>	4 x d
<i>Flexible installation:</i>	7,5 x d
<b>Max speed (main application):</b>	
<i>unsupported:</i>	8 m/sec
<i>gliding:</i>	4 m/sec
<b>Max acceleration (main application):</b>	30 m/sec <sup>2</sup>
<b>Bending cycles (main application):</b>	up to 6 million
<b>Travel distances (main application):</b>	up to 10 mt

### Features:

UL AWM STYLE 2570 80°C 1000 V, CSA AWM I/II A/B

suitable for track cables  
speed 8 m/sec (unsupported), 4 m/sec (gliding), acc. 30 m/sec<sup>2</sup>

low capacitance

high oil resistance

high flexibility

DESINA® colours

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

RoHS and CE approval



### DESINA® T 830

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.*)
37010HG0041A19	4 G 0,75	6,9	28,8	76	19
37010HG0041A18	4 G 1	7,4	38,4	92	18
37010HG0041A16	4 G 1,5	8,1	57,6	120	16
37010HG0041A14	4 G 2,5	9,5	96	173	14
37010HG0041A12	4 G 4	11,2	153,6	255	12
37010HG0041A10	4 G 6	13,4	230,4	385	10
37010HG0041A08	4 G 10	16,3	384	595	8
37010HG0041A06	4 G 16	20,3	614,4	888	6
37010HG0041A04	4 G 25	24,2	960	1296	4

# SERVO CABLES



## SPECIAL GAALFLEX® SERVO T 830

PVC motor connection cable

## SPECIAL GAALFLEX® SERVO T 830 C

PVC motor connection cable with overall copper screen

ELETTROTEK KABEL® SPECIAL GAALFLEX® SERVO T 830

ELETTROTEK KABEL® SPECIAL GAALFLEX® SERVO T 830 C



### DESINA® T 830 C

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. (*)
37020HG0041A19	4 G 0,75	7,5	51,4	87	19
37020HG0041A18	4 G 1	8	66,7	105	18
37020HG0041A16	4 G 1,5	8,7	85,8	130	16
37020HG0041A14	4 G 2,5	10,1	130,2	183	14
37020HG0041A12	4 G 4	11,8	198,7	265	12
37020HG0041A10	4 G 6	14,4	300,6	397	10
37020HG0041A08	4 G 10	17,3	474,4	601	8
37020HG0041A06	4 G 16	21,3	724,9	913	6
37020HG0041A04	4 G 25	25	1090,8	1320	4
37020HG0041A02	4 G 35	30,2	1504,9	1863	2
37020HG0041A01	4 G 50	35,9	2155,8	2650	1
37020HG0041A2C	4 G 70	42,3	2970,8	3637	2/0

### DESINA® SPECIAL T 830 C + 1 screened pair

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. (*)
37025HG004BA19	4 G 0,75 + (2 x 0,5)C	10	89,6	124,2	19
37025HG004BA16	4 G 1,5 + (2 x 0,5)C	11,1	124,3	166,7	16
37025HG004BA14	4 G 2,5 + (2 x 0,5)C	11,3	162,6	207	14
37026HG004BA16	4 G 1,5 + (2 x 0,75)C	12,2	137,1	179,8	16
37026HG004BA14	4 G 2,5 + (2 x 0,75)C	12,4	175,4	220,3	14
37027HG004BA16	4 G 1,5 + (2 x 1)C	11,7	143,8	218,8	16
37027HG004BA14	4 G 2,5 + (2 x 1)C	12,7	187,8	271,4	14
37027HG004BA12	4 G 4 + (2 x 1)C	14,2	265,1	357,7	12
37027HG004BA10	4 G 6 + (2 x 1)C	15,9	352	466,3	10
37027HG004BA08	4 G 10 + (2 x 1)C	18,6	525,3	637,3	8
37027HG004BA06	4 G 16 + (2 x 1)C	22,2	775,9	936,4	6
37028HG004BA16	4 G 1,5 + (2 x 1,5)C	12,1	156,5	233,9	16
37028HG004BA14	4 G 2,5 + (2 x 1,5)C	13,1	200,6	286,7	14
37028HG004BA12	4 G 4 + (2 x 1,5)C	14,6	287,3	381,3	12
37028HG004BA10	4 G 6 + (2 x 1,5)C	16,3	374,3	490,2	10
37028HG004BA08	4 G 10 + (2 x 1,5)C	18,9	537,9	686,4	8
37028HG004BA06	4 G 16 + (2 x 1,5)C	22	788,4	979,7	6
37028HG004BA04	4 G 25 + (2 x 1,5)C	26,2	1154,5	1399,1	4
37028HG004BA02	4 G 35 + (2 x 1,5)C	30,6	1568,3	1914	2

### DESINA® SPECIAL T 830 C + 2 screened pairs

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. (*)
37025HG004B900	4 G 0,75 + (2 x 0,5)C + (2 x 0,5)C	11,2	122,1	196,7	19
37025HG004B901	4 G 1 + (2 x 0,75)C + (2 x 0,75)C	12,1	152,5	233,6	18
37025HG004B902	4 G 1,5 + (2 x 0,75)C + (2 x 0,75)C	12,7	177,1	264,8	16
37025HG004B903	4 G 2,5 + (2 x 1)C + (2 x 1)C	14,4	248,4	349,9	14
37025HG004B904	4 G 4 + (2 x 1)C + (2 x 1,5)C	16,3	338,5	460,5	12
37025HG004B905	4 G 6 + (2 x 1)C + (2 x 1,5)C	17,9	425,1	571,6	10
37025HG004B906	4 G 10 + (2 x 1)C + (2 x 1,5)C	20,4	589,2	771,9	8
37025HG004B907	4 G 16 + (2 x 1,5)C + (2 x 1,5)C	23,5	852,1	1082,5	6
37025HG004B908	4 G 25 + (2 x 1,5)C + (2 x 1,5)C	27,2	1217,6	1501,1	4

Other dimension and colours available on request.

# SERVO CABLES

## GAALFLEX® SERVO T 828 C

TPE/PVC with overall copper screen, acc.to SIEMENS standard 6FX5008



ELETTROTEK KABEL® GAALFLEX® SERVO T 828 C

### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 5 acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	special TPE compound
<b>Colour cores:</b>	black cores with consecutive numbers acc. to EN 50334 green-yellow from 3 cores
<b>Stranding:</b>	In layers + fillers
<b>Wrapping:</b>	plastic tape
<b>Screen:</b>	tinned copper braid
<b>Outer sheath:</b>	orange (RAL 2003), special PVC compound

### Resistance:



#### Self-extinguishing and flame retardant acc.to:

IEC 60332-1-2  
EN 60332-1-2  
UL CSA FT-1,FT-2



#### Oil resistance acc. to:

DIN VDE 0473 part 811-2-1  
IEC 60811-2-1

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV <b>UL/CSA:</b> 1000 V
<b>Test voltage:</b>	supply cores: 4kV x 5 min core screen: 1,5 kV x 1 min
<b>Temperature range</b>	<b>DIN VDE:</b> <b>UL/CSA:</b> up to + 90°C
<i>Fixed laying:</i>	- 30°C up to + 90°C
<i>Flexible installation:</i>	- 5°C up to + 90°C
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cj/kg
<b>Min. bending radius</b>	
<i>Fixed laying:</i>	5 x d
<i>Flexible installation:</i>	10 x d
<i>Continuously flexible:</i>	18 x d

### Features:

UL AWM style 2570 80°C 1000 V  
CSA AWM I/II A/B 80°C 1000 V FT1 FT2

- oil resistant
- good chemical resistant
- adhesion-free installation
- DESINA® colours
- RoHS and CE approval



### DESINA® SIEMENS

Part no.	acc.to SIEMENS Standard	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.)*
37030HG0041A16	6FX5008-1BB11	4 G 1,5	8	78	120	16
37030HG0041A14	6FX5008-1BB21	4 G 2,5	10	121	173	14
37030HG0041A12	6FX5008-1BB31	4 G 4	11	194	255	12
37030HG0041A10	6FX5008-1BB41	4 G 6	14	291	370	10
37030HG0041A08	6FX5008-1BB51	4 G 10	19	477	670	8
37030HG0041A06	6FX5008-1BB61	4 G 16	24	700	1065	6

Other dimension and colours available on request.

# SERVO CABLES

## GAALFLEX® SERVO T 829 C

TPE/PVC with overall copper screen, acc.to SIEMENS standard 6FX5008



ELETTROTEK KABEL® GAALFLEX® SERVO T 829 C

### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 5 acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	special TPE compound
<b>Colour cores:</b>	black cores with consecutive numbers acc. to EN 50334 green-yellow from 3 cores
<b>Stranding:</b>	In layers + fillers
<b>Wrapping:</b>	plastic tape
<b>Screen:</b>	tinned copper braid
<b>Outer sheath:</b>	orange (RAL 2003), special PVC compound

### Resistance:



**Self-extinguishing and flame retardant acc.to:**  
IEC 60332-1-2  
EN 60332-1-2  
UL CSA FT-1,FT-2



**Oil resistance acc. to:**  
DIN VDE 0473 part 811-2-1  
IEC 60811-2-1

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV <b>UL/CSA:</b> 1000 V
<b>Test voltage:</b>	supply cores: 4kV x 5 min core screen: 1,5 kV x 1 min
<b>Temperature range</b>	<b>DIN VDE:</b> <b>UL/CSA:</b> up to + 80°C
<i>Fixed laying:</i>	- 40°C up to +70°C
<i>Flexible installation:</i>	- 5°C up to + 70°C
<b>Radiation resistance:</b>	5 x 10 <sup>-7</sup> cj/kg
<b>Min. bending radius</b>	
<i>Fixed laying:</i>	5 x d
<i>Flexible installation:</i>	10 x d
<i>Continuously flexible:</i>	18 x d

### Features:

UL AWM style 2570 80°C 1000 V  
CSA AWM I/II A/B 80°C 1000 V FT1 FT2

adhesion-free installation

DESINA® colours

RoHS and CE approval



### SIEMENS

Part no.	acc.to SIEMENS Standard	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.)*
37040HG004BA16	6FX5008-1BA11	4 G 1,5 + (2 x 1,5)C	10	131	190	16/16
37040HG004BA14	6FX5008-1BA21	4 G 2,5 + (2 x 1,5)C	12	170	240	14/16
37040HG004BA12	6FX5008-1BA31	4 G 4 + (2 x 1,5)C	14	253	340	12/16
37040HG004BA10	6FX5008-1BA41	4 G 6 + (2 x 1,5)C	16	340	460	10/16
37040HG004BA08	6FX5008-1BA51	4 G 10 + (2 x 1,5)C	21	535	775	8/16
37040HG004BA06	6FX5008-1BA61	4 G 16 + (2 x 1,5)C	24	750	1115	6/16
37040HG004BA04	6FX5008-1BA25	4 G 25 + (2 x 1,5)C	28	1160	1531	4/16
37040HG004BA02	6FX5008-1BA35	4 G 35 + (2 x 1,5)C	31	1540	2010	2/16
37040HG004BA01	6FX5008-1BA50	4 G 50 + (2 x 1,5)C	36,5	2150	2765	1/16

Other dimension and colours available on request.



# SERVO CABLES

## GAALFLEX® SERVO T 839 C

paired PUR transmission cable with coloured cores and overall copper screen



ELETTROTEK KABEL® GAALFLEX® SERVO T 839 C



### Construction:

<b>Conductor:</b>	flexible tinned copper acc. to DIN VDE 0812
<b>Insulation:</b>	special polymer compound
<b>Colour cores:</b>	DIN 47100 as far applicable
<b>Screen:</b>	pairs screened individually with tinned copper braid
<b>Inner sheath:</b>	special polymer compound
<b>Stranding:</b>	cores twisted together in pairs and in layers
<b>Wrapping:</b>	non woven tape or PETP foill
<b>Screen:</b>	tinned copper braid
<b>Wrapping:</b>	non-woven tape
<b>Outer sheath:</b>	green (RAL 6018), PUR type TMPU acc.to DIN VDE 0282 part 10 + HD 22.1, or green (RAL 6018), PUR type PU acc. to UL 758

### Resistance:



**Self-extinguishing and flame retardant acc.to:**  
IEC 60332-1-2  
EN 60332-1-2  
UL CSA FT-1,FT-2



**Oil resistance:**  
very good - PUR TMPU acc. to DIN VDE 0282 part.10+ HD 22.10



**Halogen free acc.to:**  
DIN VDE 0472 part 815 + IEC

### Technical data:

<b>Nominal voltage:</b>	max. 30 V <b>UL:</b> 30 V
<b>Test voltage:</b>	750 V
<b>Temperature range</b>	<b>DIN VDE:</b> <b>UL:</b> up to + 80°C
<i>Fixed laying:</i>	- 50°C up to + 80°C
<i>Flexible installation:</i>	- 40°C up to + 80°C
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cj/kg
<b>Min. bending radius</b>	
<i>Fixed laying:</i>	5 x d
<i>Flexible installation:</i>	10 x d
<i>Continuously flexible:</i>	12 x d
<b>Max speed (main application):</b>	250 m/min

### Features:

UL AWM style 20236 80°C 30 V

good EMC characteristics

flexible installation

oil resistant

very good weather resistance

good against acids, alkalines, solvents, hydraulic liquids etc. or oil-rating 60°C acc. to UL 758

long service life

adhesion-free installation

halogen-free

labs uncritical

mat surface outer sheath

DESINA® colours

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

RoHS and CE approval



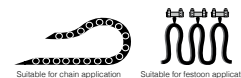
# SERVO CABLES

## GAALFLEX® SERVO T 839 C

paired PUR transmission cable with coloured cores and overall copper screen



ELETTROTEK KABEL® GAALFLEX® SERVO T 839 C



Sheath material PU acc. to UL 758

Part no.	Color code	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.)*
37140AE4029901	special colored	2 x 2 x 0,15 + 2 x 0,38	6,9	28,1	52	-/-
37140AE4029902	DIN 47100	4 x 0,18	4,9	18,9	28	-
37140AE4022903	DIN 47100	4 x 2 x 0,18	6,3	30,8	47	-
37140AE4029904	special colored	4 x 2 x 0,25 + 2 x 1	8	61	96	24/18
37140AE4029905	special colored	4 x 2 x 0,14 + 4 x 0,5	8	49,7	74	26/20
37140AE4039906	special colored	3 x (2 x 0,25)D2Y + 4 x 0,5	9,7	81,9	122	24/20
37140AE4029907	special colored	3 x 2 x 0,25 + 2 x 0,5	6,7	41,7	66	24/20
37140AE4029908	special colored	4 x (2 x 0,25)D + 2 x 0,5	8,2	60,7	91	24/20
37140AE4029909	special colored	6 x 2 x 0,34 + 1 x (2 x 0,34)C + 2 x 1	9,4	107,8	134	22/22/18
37140CE4042A24	DIN 47100	4 x 2 x 0,25	7,2	38,7	64	24
37140AE4042A24	DIN 47100	4 x (2 x 0,25)CY	9,1	80,3	120	24
37140AE4042A22	DIN 47100	4 x (2 x 0,34)C	9,8	92,3	138	22
37140AE4082A22	DIN 47100	8 x (2 x 0,34)C	16,2	188	282	22
37140AE4029913	special colored	5 x (2 x 0,14)D + 2 x 0,5	8	49	73	26/20
37140AE4029914	acc. to SIEMENS standard	3 x (2 x 0,14)D2Y + 4 x 0,14 + 4 x 0,22 + 2 x 0,5	9,5	80,4	130	26/26/-/20
37140AE4029915	special colored	3 x (2 x 0,34)D12Y + 16 x 0,34	11,6	117,1	175	22/22
37140AE4029916	DIN 47100	4 x (2 x 0,5)C	9,9	123	184	20
37140AE4039917	special colored	3 x (2 x 0,14)D2Y + 2 x 0,5	8,6	57,7	86	26/20
37140CE405B927	DIN 47100	5x0,5+2x0,18	7,5	49	95	20/25

Sheath material TMPU acc. to DIN VDE 0282

Part no.	Color code	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.)*
37140AE4039919	special colored	3 x (2 x 0,14)D + 2 x (0,5)D	9	71,4	96	26/20
37140AE4029920	acc. to SIEMENS standard	3 x (2 x 0,14)D + 4 x 0,14 + 2 x 0,5	8,9	61	97	26/26/20
37140AE4029921	special colored	3 x (2 x 0,14)D + 4 x 0,14 + 4 x 0,22 + 2 x 0,5	9,5	79	111	26/26/-/20
37140AE4049922	special colored	4 x 2 x 0,38 + 4 x 0,5	8,9	76,3	106	-/20
37140AE4082923	DIN 47100	8 x 2 x 0,18	7,8	48	74	-
37140AE4029924	DIN 47100	12 x 0,22	6,9	42,5	63	-
37140AE4029925	acc. to SIEMENS standard	4 x (2 x 0,25)C12Y + (2 x 1)C12Y	13,2	-	-	24/18
37140AE4029926	special colored	3x(2x0,25)C+2x0,5	8,8	-	-	24/20
37140AE8039910	US4	3 x (2 x 0,14)D2Y + 2 x 0,5	8,6	57,5	89	26/20

Other dimension and colours available on request.

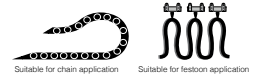
# SERVO CABLES

## GAALFLEX® SERVO T 840 C

paired PUR transmission cable with coloured cores and overall copper screen  
acc.to SIEMENS standard 6FX8008 and SEW EURODRIVE standard



ELETTROTEK KABEL® GAALFLEX® SERVO T 840 C



### Construction:

<b>Conductor:</b>	flexible tinned copper conductor Cl. 6 acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	special polymer compound
<b>Colour cores:</b>	acc. to DIN 47100 as far as applicable
<b>Stranding:</b>	in layers + fillers
<b>Wrapping:</b>	plastic tape
<b>Screen:</b>	tinned copper braid
<b>Outer sheath:</b>	green (RAL 6018), PUR compound to UL 758

### Resistance:



**Self-extinguishing and flame retardant acc.to:**  
IEC 60332-1-2  
EN 60332-1-2  
UL CSA FT-1,FT-2



**Oil resistance:**  
very good - PUR TMPU acc. to DIN VDE 0282  
part.10+ HD 22.10



**Halogen free acc.to:**  
DIN VDE 0472 part 815  
IEC 60754-1

### Technical data:

<b>Nominal voltage:</b>	max. 30 V <b>UL/CSA: 30 V (SIEMENS)</b> <b>UL/CSA: 300 V (SEW EURODRIVE)</b>
<b>Test voltage:</b>	1 kV
<b>Temperature range</b>	<b>DIN VDE:</b> <b>UL:</b> up to + 80°C
<i>Fixed laying:</i>	- 40°C up to + 80°C
<i>Flexible installation:</i>	- 35°C up to + 80°C
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cj/kg
<b>Min. bending radius</b>	
<i>Fixed laying:</i>	5 x d
<i>Flexible installation:</i>	7 x d
<i>Continuously flexible:</i>	7 x d
<b>Max speed (main application):</b>	250 m/min

### Features:

UL AWM style 20236 80°C 30 V (SIEMENS)  
UL AWM style 20280 80°C 300 V (SEW EURODRIVE)  
good EMC characteristics  
flexible installation  
adhesion-free installation  
labs uncritical  
DESINA® colours  
good against acids, alkalines, solvents, hydraulic liquids etc.  
for SPEEDS and MINIMUM BENDING RADIUS  
see pages from 2 to 8 of catalogue

RoHS and CE approval



#### SIEMENS standard 6FX8008/6FX5008

Part no.	acc. to SIEMENS Standard	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. *)
37150AE4029901	6FX5008-1BA51	(3 x (2 x 0,14)D + 2 x 0,5 + 4 x 0,14 + 4 x 0,22)C	9,5	80,4	130	26/20/26/-
37150AE4029902	6FX5008-1BA41	3 x (2 x 0,14)D + 2 x 0,5 + 4 x 0,14)C	-	67,2	108	26/20/26

#### SEW EURODRIVE standard UL AWM style 20280 80 °C 300 V

Part no.	acc. to SEW EURODRIVE Standard	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. *)
37150CE4062A24	-	(6 x 2 x 0,25)C	9,4	59	105	24
37150CE4052A24	-	(5 x 2 x 0,25)C	8,8	51	91	24

Other dimension and colours available on request.

# SERVO CABLES

## FLEXIDRUM® T 300

TPE/PUR motor connection cable, 0,6/1 kV



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 6 acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	special TPE compound
<b>Colour cores:</b>	black cores with consecutive numbers acc. to EN 50334 green-yellow from 3 cores
<b>Stranding:</b>	In layers + fillers
<b>Wrapping:</b>	non-woven tape
<b>Outer sheath:</b>	orange (RAL 2003), special PUR compound

### Resistance:



**Self-extinguishing and flame retardant acc.to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
(equivalent DIN VDE 0472 part 804 test method B)



**Oil resistance:**  
very good TMPU acc. to DIN VDE 0282 part 10  
+ HD 22.10, acc. to DIN VDE 0473 part 811-2-1,  
EN 60811-2-1  
EC 60811-2-1



**Halogen free acc.to:**  
DIN VDE 0472 part 815  
IEC 60754-1

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV
<b>Test voltage:</b>	4kV
<b>Temperature range</b>	
<i>Fixed laying:</i>	- 50°C up to + 90°C
<i>Flexible installation:</i>	- 40°C up to + 90°C
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cj/kg
<b>Min. bending radius</b>	
<i>Fixed laying:</i>	4 x d
<i>Flexible installation:</i>	6 x d
<i>Continuously flexible:</i>	10 x d
<b>Max speed (main application):</b>	250 m/min

### Features:

- very high flexible
- suitable for cable tracks
- oil resistant
- very long service life
- adhesion-free installation
- halogen-free
- labs uncritical
- flexible at low temperatures
- good against acids, alkalines, solvents, hydraulic liquids etc.
- for SPEEDS and MINIMUM BENDING RADIUS  
see pages from 2 to 8 of catalogue

RoHS and CE approval



### DESINA®

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.*)
04130GG0041M15	4 G 1,5	8,5	57,6	102	16
04130GG0051M15	5 G 1,5	9,3	72	125	16
04130GG0041M25	4 G 2,5	10,7	96	160	14
04130GG0051M25	5 G 2,5	11,4	120	193	14
04130GG0041M40	4 G 4	12,4	153,6	247	12
04130GG0051M40	5 G 4	13,2	192	290	12
04130GG0041M60	4 G 6	15,1	230,4	351	10
04130GG0051M60	5 G 6	16,5	288	443	10
04130GG0041M61	4 G 10	17,5	384	552	8
04130GG0051M61	5 G 10	19,2	480	641	8
04130GG0041M62	4 G 16	21,2	614,4	796	6
04130GG0051M62	5 G 16	23,3	769	979	6
04130GG0041M63	4 G 25	24,3	960	1161	4
04130GG0051M63	5 G 25	26,8	1200	1433	4
04130GG0041M64	4 G 35	28,6	1344	1588	2
04130GG0041M65	4 G 50	32,3	1920	2212	1

Other dimension and colours available on request.



# SERVO CABLES

## FLEXIDRUM® T 300 C

TPE/PUR motor connection cable with overall copper screen, 0,6/1 kV



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 6 acc to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	special TPE compound
<b>Colour cores:</b>	black cores with consecutive numbers acc. to EN 50334 green-yellow from 3 cores
<b>Stranding:</b>	In layers + fillers
<b>Wrapping:</b>	PETP foil
<b>Screen:</b>	tinned copper braid
<b>Wrapping:</b>	non-woven tape
<b>Outer sheath:</b>	orange (RAL 2003), special PUR compound

### Resistance:



**Self-extinguishing and flame retardant acc.to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1-2  
(equivalent DIN VDE 0472 part 804 test method B)



**Oil resistance:**  
very good TPU acc. to DIN VDE 0282 part 10  
+ HD 22.10, acc. to DIN VDE 0473 part 811-2-1,  
EN 60811-2-1  
EC 60811-2-1



**Halogen free acc.to:**  
DIN VDE 0472 part 815  
EN 50267-2-1  
IEC 60754-1

### Technical data:

<b>Nominal voltage:</b>	U <sub>o</sub> /U 0,6/1 kV
<b>Test voltage:</b>	4kV core/screen: 2kV
<b>Temperature range</b>	
<i>Fixed laying:</i>	- 50°C up to + 90°C
<i>Flexible installation:</i>	- 40°C up to + 90°C
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg
<b>Min. bending radius</b>	
<i>Fixed laying:</i>	5 x d
<i>Flexible installation:</i>	10 x d
<i>Continuously flexible:</i>	12 x d
<b>Max speed (main application):</b>	250 m/min

### Features:

- very high flexible
- suitable for cable tracks
- oil resistant
- very long service life
- adhesion-free installation
- halogen-free
- labs uncritical
- flexible at low temperatures
- good against acids, alkalines, solvents, hydraulic liquids etc.
- for SPEEDS and MINIMUM BENDING RADIUS  
see pages from 2 to 8 of catalogue

RoHS and CE approval



### DESINA®

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. *)
04140GG0041M15	4 G 1,5	9	95,8	141	16
04140GG0041M25	4 G 2,5	10,5	147	217	14
04140GG0041M40	4 G 4	12	210,2	289	12
04140GG0041M60	4 G 6	14,2	300,5	420	10
04140GG0041M61	4 G 10	18	489,9	627	8
04140GG0041M62	4 G 16	2	751,3	965	6
04140GG0041M63	4 G 25	25	1118,2	1363	4
04140GG0041M64	4 G 35	29	1533,4	1848	2
04140GG0041M65	4 G 50	34	2148,7	2553	1

Other dimension and colours available on request.