

# SERVO CABLES

## GAALFLEX® SERVO T 844 C

paired TPE/PUR with overall copper screen acc.to SIEMENS standard 6FX8008



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl. 6, acc. to IEC 60228, DIN VDE 0295 > 0,5 mm <sup>2</sup> acc. to DIN VDE 0812
<b>Insulation:</b>	special TPE compound
<b>Power colour cores:</b>	black cores with consecutive numbers acc. to EN 50334 green-yellow from 3 cores <b>0,34 mm<sup>2</sup></b> : acc. to DIN 47100
<b>Signal colour cores:</b>	
<b>Pairs:</b>	black and white
<b>Multi pairs:</b>	black and white numbered
<b>Quads:</b>	black, white, red, yellow
<b>Stranding:</b>	supply cores and control cores together in layers + fillers
<b>Screen:</b>	tinned copper braid
<b>Wrapping:</b>	plastic tape
<b>Outer sheath:</b>	orange (RAL 2003), PUR compound, 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, acc. to internal standard, IEC 60811-2-1



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

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE:</b> supply cores U <sub>o</sub> /U 0,6/1 kV <b>UL/CSA:</b> supply cores 1000 V <b>DIN VDE:</b> control cores 350 V <b>UL/CSA:</b> control cores 300 V
<b>Test voltage:</b>	supply cores: 4kV core screen: 1,5 kV
<b>Temperature range</b>	<b>DIN VDE</b> <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>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>	300 m/min

### Features:

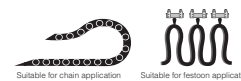
UL AWM style 21223 80°C, 1000V  
CSA AWM I/II A/B 80°C 300 V FT1 FT2  
very good EMC characteristics  
long life service  
adhesion-free installation  
high flexibility  
good against acids, alkalines, solvents, hydraulic liquids etc.  
very good weather resistance  
halogen-free  
labs uncritical  
flexible at low temperatures  
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 844 C

paired TPE/PUR with overall copper screen acc.to SIEMENS standard 6FX8008



### DESINA® INDRAMAT

Part no.	acc. to INDRAMAT 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. *)
37100HG004B926	-	4x0,75+(2x0,5)StC	8,7	75,2	-	19/20
37100HG004B909	INK-0653	4 G 1 + 2 x (2 x 0,75)StC	11,8	148	260	18/19
37100HG004B910	INK-0650	4 G 1,5 + 2 x (2 x 0,75)StC	12,5	170	300	16/19
37100HG004B911	-	4 G 2,5 + 2 x (2 x 0,75)StC	-	-	-	14/19
37100HG004B912	INK-0602	4 G 2,5 + 2 x (2 x 1)StC	15	229	350	14/18
37100HG004B913	-	4 G 4 + 2 x (2 x 1)StC	16,5	312	480	12/18
37100HG004B914	INK-0603	4 G 4 + (2 x 1,5) StC + (2 x 1)StC	16,3	318	500	12/18
37100HG004B915	-	4 G 4 + 2 x (2 x 1,5)StC	17	324	505	12/16
37100HG004B916	-	4 G 6 + 2 x (2 x 1)StC	18,5	437	615	10/18
37100HG004B917	INK-0504	4 G 6 + (2 x 1,5)StC + (2 x 1)StC	19	445	630	10/16/18
37100HG004B918	-	4 G 6 + 2 x (2 x 1,5)StC	19,3	450	640	10/16
37100HG004B919	-	4 G 10 + 2 x (2 x 1)StC	21,8	609	920	8/18
37100HG004B920	INK-0605	4 G 10 + (2 x 1,5)StC + (2 x 1)StC	22,7	610	930	8/16/18
37100HG004B921	-	4 x 10 + 2 x (2 x 1,5)StC	22,7	625	940	8/16
37100HG004B922	INK-0606	4 x 16 + 2 x (2 x 1,5)StC	27,2	904	1240	6/16
37100HG004B923	INK-0667	4 x 25 + 2 x (2 x 1,5)StC	28,3	1323	1610	4/16
37100HG004B924	INK-0688	4 x 35 + 2 x (2 x 1,5)StC	32,8	1621	2220	2/16

### 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. *)
37100HG004B900	6FX8008-1BA11	4 G 1,5 + (2 x 1,5)C	12	153	230	16/16
37100HG004B901	6FX8008-1BA21	4 G 2,5 + (2 x 1,5)C	13,5	193	285	14/16
37100HG004B902	6FX8008-1BA31	4 G 4 + (2 x 1,5)C	15	260	370	12/16
37100HG004B903	6FX8008-1BA41	4 G 6 + (2 x 1,5)C	17	355	480	10/16
37100HG004B904	6FX8008-1BA51	4 G 10 + (2 x 1,5)C	19,5	525	680	8/16
37100HG004B905	6FX8008-1BA61	4 G 16 + (2 x 1,5)C	22,5	800	1030	6/16
37100HG004B906	6FX8008-1BA25	4 G 25 + (2 x 1,5)C	26	1180	1400	4/16
37100HG004B907	6FX8008-1BA35	4 G 35 + (2 x 1,5)C	30	1585	1905	2/16
37100HG004B908	6FX8008-1BA50	4 x 50 + (2 x 1,5) C	34	2173	2525	1/16

Other dimension and colours available on request.