

# 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 NUMERED
<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>0</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: 4 kV CORE SCREEN: 1,5 kV
<b>TEMPERATURE RANGE</b>	<b>DIN VDE</b> <b>UL/CSA:</b> UP TO +80°C
FIXED LAYING:	- 50°C UP TO + 90°C
FLEXIBLE INSTALLATION:	- 40°C UP TO + 90°C
<b>RADIATION RESISTANCE:</b>	5 x 10 <sup>7</sup> CJ/kg
<b>MIN. BENDING RADIUS</b>	
FIXED LAYING:	5 x D
FLEXIBLE INSTALLATION:	7 x D
CONTINUOUSLY FLEXIBLE:	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 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



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## 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	-	4 x 0,75+(2 x 0,5)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-0604	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-0607	4 x 25 + 2 x (2 x 1,5)STC	28,3	1323	1610	4/16
37100HG004B924	INK-0667	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.