

GAALFLEX® SERVO T 844 C

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



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC. TO IEC 60228, DIN VDE 0295 > 0,5 mm ² ACC. TO DIN VDE 0812
INSULATION:	SPECIAL TPE COMPOUND
POWER COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334 GREEN-YELLOW FROM 3 CORES 0,34 mm² : ACC. TO DIN 47100
SIGNAL COLOUR CORES:	
PAIRS:	BLACK AND WHITE
MULTI PAIRS:	BLACK AND WHITE NUMERED
QUADS:	BLACK, WHITE, RED, YELLOW
STRANDING:	SUPPLY CORES AND CONTROL CORES TOGETHER IN LAYERS + FILLERS
SCREEN:	TINNED COPPER BRAID
WRAPPING:	PLASTIC TAPE
OUTER SHEATH:	ORANGE (RAL2003), 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:

NOMINAL VOLTAGE:	UL/CSA: SUPPLY CORES 1000 V DIN VDE: SUPPLY CORES U ₀ /U 0,6/1 kV DIN VDE: CONTROL CORES 350 V
TEST VOLTAGE:	SUPPLY CORES: 4 kV CORE/SCREEN: 1,5 kV
TEMPERATURE RANGE:	DIN VDE UL/CSA: UP TO + 80°C
FIXED LAYING:	- 50°C UP TO + 90°C
FLEXIBLE INSTALLATION:	- 40°C UP TO + 90°C
RADIATION RESISTANCE:	5 x 10 ⁷ Cj/kg
MIN. BENDING RADIUS:	
FIXED LAYING:	5 x D
FLEXIBLE INSTALLATION:	7 x D
CONTINUOUSLY FLEXIBLE:	7 x D
MAX SPEED (MAIN APPLICATION):	300 mt/min

Features:

UL AWM STYLE 21223 80°C, 1000 V
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

ROHS AND CE APPROVAL



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ELETTROTEK KABEL® GAALFLEX® SERVO T 844 C



DESINA® INDRAMAT

Part no.	acc.to INDRAMAT Standard	No. of cores x cross section n x mm ²	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 ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
37100HG004B928	-	4 g 1,5 + (2 x 1)C	11	119	210	16/18
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.