

SERVO CABLES

GAALFLEX® SERVO T 841 C

paired TPE/PUR motor connection cable with overall copper screen



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
Colour cores:	black cores with consecutive numbers acc. to EN 50334 green-yellow from 3 cores 0,34 mm² : acc. to DIN 47100 From Part n. 37090HG004B911: supply cores: black cores with consecutive numbers U1, V2, W3 and green-yellow from 3 cores control cores: black cores with consecutive numbers BR1 and BR2
Stranding:	control cores: (from 0,34 mm² up to 2,5 mm²): cores twisted in pairs
Screen:	pairs screened individually with aluminium tape + tinned copper braid
Wrapping:	pairs with PETP foil
Stranding:	supply cores and control cores together in layers
Wrapping:	non-woven tape
Screen:	tinned copper braid
Wrapping:	non-woven tape
Outer sheath:	orange (RAL 2003), PUR type TPU, acc. to DIN VDE 0282 part. 10 + HD 22.10

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 - TPU acc. to DIN VDE 0282 part.10 +
HD 22.10



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

Technical data:

Nominal voltage:	DIN VDE: supply cores Uo/U 0,6/1 kV UL/CSA: supply cores 1000 V DIN VDE: control cores 350 V UL/CSA: control cores 300 V
Test voltage:	supply cores: 4kV core screen: 1,5 kV
Temperature range	DIN VDE UL/CSA: up to +80°C
<i>Fixed laying:</i>	- 50°C up to + 90°C
<i>Flexible installation:</i>	- 40°C up to + 90°C
Radiation resistance:	5 x 10 ⁷ cj/kg
Min. bending radius	
<i>Fixed laying:</i>	5 x d
<i>Flexible installation:</i>	10 x d
<i>Continuously flexible:</i>	12 x d
Max speed (main application):	250 m/min

Features:

UL AWM STYLE 20235 80°C 1000 V
CSA AWM I/II A/B 80°C 300 V FT1 FT2 CE
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
mat surface outer sheath
DESINA® colours
for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
RoHS and CE approval



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DESINA® INDRAMAT

Part no.	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. *)
37090HG004B900	4 G 0,75 + 2 x (2 x 0,34)	11,6	117,1	168	19/22
37090HG004B901	4 G 1 + 2 x + (2 x 0,75)	11,8	150,1	201	18/19
37090HG004B902	4 G 1,5 + 2 x (2 x 0,75)	12,3	170,1	228	16/19
37090HG004B903	4 G 2,5 + 2 x (2 x 1)	14,5	231,8	320	14/18
37090HG004B904	4 G 4 + (2 x 1) + 2 x 1,5	17,4	343	458	12//18/16
37090HG004B905	4 G 6 + (2 x 1) + 2 x 1,5	18,9	432,8	557	10/18/16
37090HG004B906	4 G 10 + (2 x 1) + 2 x 1,5	20,4	603,7	736	8/18/16
37090HG004B907	4 G 16 + 2 x (2 x 1,5)	26	875,7	1111	6/16
37090HG004B908	4 G 25 + 2 x (2 x 1,5)	29,4	1251,1	1517	4/16
37090HG004B909	4 G 35 + 2 x (2 x 1,5)	31,3	1644,6	1882	2/16
37090HG004B910	4 G 50 + 2 x (2 x 2,5)	38,2	2317,6	2659	1/16

DESINA® SIEMENS

Part no.	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. *)
37090HG004B911	4 G 1,5 + (2 x 1)	11,9	148,2	-	16/18
37090HG004B912	4G 1,5 + (2 x 1,5)	12,5	159,2	222	16/16
37090HG004B913	4 G 2,5 + (2 x 1,5)	13,3	204,8	285	14/16
37090HG004B914	4 G 4 + (2 x 1,5)	15,2	268,8	369	12/16
37090HG004B915	4 G 6 + (2 x 1,5)	16,6	377,5	485	10/16
37090HG004B916	4 G 10 + (2 x 1,5)	19,5	555,8	677	8/16
37090HG004B917	4 G 16 + (2 x 1,5)	23,7	814,8	1019	6/16
37090HG004B918	4 G 25 + (2 x 1,5)	27,2	1175,6	1418	4/16
37090HG004B919	4 G 35 + (2x1,5)	30,1	1586,4	1810	2/16
37090HG004B920	4 G 50 + (2 x 1,5)	34,4	2192,4	2463	1/16

Other dimension and colours available on request.