

# 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



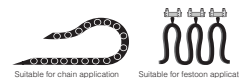
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Sheath material PU acc. to UL 758

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
37140AE4042A24	DIN 47100	4 x (2 x 0,25)C	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
37140AE4029918	DIN 47100	4 x (2 x 0,25)CY	9,1	80,3	-	24

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

Other dimension and colours available on request.