

SERVO CABLES

GAALFLEX® SERVO T 840 C

paired PUR transmission cable with coloured cores and overall copper screen
acc.to SIEMENS standard 6FX8008 and SEW EURODRIVE standard



Construction:

Conductor:	flexible tinned copper conductor Cl. 6 acc to IEC 60228, DIN VDE 0295
Insulation:	special polymer compound
Colour cores:	acc. to DIN 47100 as far as applicable
Stranding:	in layers + fillers
Wrapping:	plastic tape
Screen:	tinned copper braid
Outer sheath:	green (RAL 6018), PUR compound 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 60754-1

Technical data:

Nominal voltage:	max. 30 V UL/CSA: 30 V (SIEMENS) UL/CSA: 300 V (SEW EURODRIVE)
Test voltage:	1 kV
Temperature range	DIN VDE: UL: up to + 80°C
<i>Fixed laying:</i>	- 40°C up to + 80°C
<i>Flexible installation:</i>	- 35°C up to + 80°C
Radiation resistance:	5 x 10 ⁷ cj/kg
Min. bending radius	
<i>Fixed laying:</i>	5 x d
<i>Flexible installation:</i>	7 x d
<i>Continuously flexible:</i>	7 x d
Max speed (main application):	250 m/min

Features:

- UL AWM style 20236 80°C 30 V (SIEMENS)
- UL AWM style 20280 80°C 300 V (SEW EURODRIVE)
- good EMC characteristics
- flexible installation
- adhesion-free installation
- labs uncritical
- DESINA® colours
- good against acids, alkalines, solvents, hydraulic liquids etc.
- for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
- RoHS and CE approval



SIEMENS standard 6FX8008/6FX5008

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. *)
37150AE4029901	6FX5008-1BA51	(3 x (2 x 0,14)D + 2 x 0,5 + 4 x 0,14 + 4 x 0,22)C	9,5	80,4	130	26/20/26/-
37150AE4029902	6FX5008-1BA41	3 x (2 x 0,14)D + 2 x 0,5 + 4 x 0,14)C	-	67,2	108	26/20/26

SEW EURODRIVE standard UL AWM style 20280 80 °C 300 V

Part no.	acc. to SEW EURODRIVE 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. *)
37150CE4062A24	-	(6 x 2 x 0,25)C	9,4	59	105	24
37150CE4052A24	-	(5 x 2 x 0,25)C	8,8	51	91	24

Other dimension and colours available on request.