GAALFLEX® SERVO T 839 C

paired PUR transmission cable with coloured cores and overall copper screen



SUITABLE FOR CHAIN APPLICATION

SUITABLE FOR FESTOON APPLICATION

Construction:

CONDUCTOR:	FLEXIBLE TINNED COPPER ACC. TO DIN VDE 0812
INSULATION:	SPECIAL POLYMER COMPOUND
COLOUR CORES:	DIN 47100 AS FAR APPLICABLE
SCREEN:	PAIRS SCREENED INDIVIDUALLY WITH TINNED COPPER BRAID
INNER SHEATH:	SPECIAL POLYMER COMPOUND
STRANDING:	CORES TWISTED TOGETHER IN PAIRS AND IN LAYERS
WRAPPING:	NON WOVEN TAPE OR PETP FOILL
SCREEN:	TINNED COPPER BRAID
WRAPPING:	NON-WOVEN TAPE
OUTER SHEATH:	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:

NOMINAL VOLTAGE:	MAX. 30 V	**UL**: 30 V
TEST VOLTAGE:	750 V	
TEMPERATURE RANGE:	**DIN VDE:**	**UL:** UP TO + 80°C
FIXED LAYING:	- 50°C UP TO + 80°C	
FLEXIBLE INSTALLATION:	- 40°C UP TO + 80°C	
RADIATION RESISTANCE:	5 x 10^7 CJ/kg	
MIN. BENDING RADIUS:		
FIXED LAYING:	5 x D	
FLEXIBLE INSTALLATION:	10 x D	
CONTINUOUSLY FLEXIBLE:	12 x D	
MAX SPEED (MAIN APPLICATION):	250 mt/min	

Features:

- UL AWM STYLE 20236 80°C 30 V
- LOW CAPACITANCE
- 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 UNCRITICA
- MAT SURFACE OUTER SHEATH
- DESINA® COLOURS

FOR SPEEDS AND MINIMUM BENDING RADIUS
SEE PAGES FROM 1 TO 2 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 mm²	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	25/21
37140AE4049902	DIN 47100	4 x 0,18	4,9	18,9	28	25
37140AE4042903	DIN 47100	4 x 2 x 0,18	6,3	30,8	47	25
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
37140CE4042A24	DIN 47100	4 x 2 x 0,25	7,2	38,7	64	24
37140AE4042A24	DIN 47100	4 x (2 x 0,25)CY	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	89	26/20
37140CE405B927	DIN 47100	5 x 0,5+2 x 0,18	7,5	49	95	20/25

SHEATH MATERIAL TMPU ACC. TO DIN VDE 0282

Part no.	Color code	No. of cores x cross section n x mm²	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	60,2	108	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	26/26/24/20
37140AE4049922	SPECIAL COLORED	4 x 2 x 0,38 + 4 x 0,5	8,9	76,3	106	21/20
37140AE4082923	DIN 47100	8 x 2 x 0,18	7,8	48	74	25
37140AE4029924	DIN 47100	12 x 0,22	6,9	42,5	63	24
37140AE4029925	ACC. TO SIEMENS STANDARD	4 x (2 x 0,25)C12Y + (2 x 1)C12Y	13,2	-	-	24/18
37140AE4029926	SPECIAL COLORED	3 x (2 x 0,25)C + 2 x 0,5	8,8	-	-	24/20
37140AE8039910	US4	3 x (2 x 0,14)D2Y + 2 x 0,5	8,6	57,5	89	26/20

Other dimension and colours available on request.