



SPECIAL GAALFLEX® SERVO T 830

PVC motor connection cable

SPECIAL GAALFLEX® SERVO T 830 C

PVC motor connection cable with overall copper screen

ELETTROTEK KABEL® SPECIAL GAALFLEX® SERVO T 830

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Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 6 ACC TO IEC 60228, DIN VDE 0295
INSULATION:	SPECIAL PP COMPOUND
COLOUR CORES:	BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334 +GREEN-YELLOW
STRANDING:	IN LAYERS
WRAPPING:	NON-WOVEN TAPE
SCREEN (SPECIAL T 830 C):	TINNED COPPER BRAID
WRAPPING (SPECIAL T 830 C):	NON-WOVEN TAPE
OUTER SHEATH:	ORANGE (RAL2003), SPECIAL PVC COMPOUND 90°C

Technical data:

NOMINAL VOLTAGE:	U ₀ /U 0,6/1 KV UL/CSA: 1000 V
TEST VOLTAGE:	SUPPLY CORES:4 kV CORE SCREEN: 1,5 kV
TEMPERATURE RANGE	
FIXED LAYING:	- 40°C UP TO + 80°C
FLEXIBLE INSTALLATION:	- 10°C UP TO + 80°C
MIN. BENDING RADIUS	
FIXED LAYING:	4 x D
FLEXIBLE INSTALLATION:	7,5 x D
MAX SPEED (MAIN APPLICATION):	
UNSUPPORTED:	8 m/sec
GLIDING:	4 m/sec
MAX ACCELERATION (MAIN APPLICATION):	
	30 m/sec ²
BENDING CYCLES (MAIN APPLICATION):	
	UP TO 6 MILION
TRAVEL DISTANCES (MAIN APPLICATION):	
	UP TO 10 mt

Resistance:



SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:
DIN VDE 0472 PART 804 TEST METHOD B,
IEC 60332-1, IEC 60332-3-24, CSA FT1



OIL RESISTANCE ACC. TO:
EN 50363-4-1

Features:

- UL AWM STYLE 2570 80°C 1000 V, CSA AWM I/II A/B
- SUITABLE FOR TRACK CABLES
- SPEED 8 M/SEC (UNSUPPORTED), 4 M/SEC (GLIDING), ACC. 30 M/SEC²
- LOW CAPACITANCE
- HIGH OIL RESISTANCE
- HIGH FLEXIBILITY
- DESINA® COLOURS
- FOR SPEEDS AND MINIMUM BENDING RADIUS
SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL





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DESINA® T 830

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. *)
37010HG0041A19	4 g 0,75	6,9	28,8	76	19
37010HG0041A18	4 g 1	7,4	38,4	92	18
37010HG0041A16	4 g 1,5	8,1	57,6	120	16
37010HG0041A14	4 g 2,5	9,5	96	173	14
37010HG0041A12	4 g 4	11,2	153,6	255	12
37010HG0041A10	4 g 6	13,4	230,4	385	10
37010HG0041A08	4 g 10	16,3	384	595	8
37010HG0041A06	4 g 16	20,3	614,4	888	6
37010HG0041A04	4 g 25	24,2	960	1296	4

DESINA® T 830 C

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. *)
37020HG0041A19	4 g 0,75	7,5	51,4	87	19
37020HG0041A18	4 g 1	8	66,7	105	18
37020HG0041A16	4 g 1,5	8,7	85,8	130	16
37020HG0041A14	4 g 2,5	10,1	130,2	183	14
37020HG0041A12	4 g 4	11,8	198,7	265	12
37020HG0041A10	4 g 6	14,4	300,6	397	10
37020HG0041A08	4 g 10	17,3	474,4	601	8
37020HG0041A06	4 g 16	21,3	724,9	913	6
37020HG0041A04	4 g 25	25	1090,8	1320	4
37020HG0041A02	4 g 35	30,2	1504,9	1863	2
37020HG0041A01	4 g 50	35,9	2155,8	2650	1
37020HG0041A2C	4 g 70	42,3	2970,8	3637	2/0



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DESINA® SPECIAL T 830 C + 1 SCREENED PAIR

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. *)
37025HG004BA19	4 g 0,75 + (2 x 0,5)C	10	89,6	124,2	19
37025HG004BA16	4 g 1,5 + (2 x 0,5)C	11,1	124,3	166,7	16
37025HG004BA14	4 g 2,5 + (2 x 0,5)C	11,3	162,6	207	14
37026HG004BA16	4 g 1,5 + (2 x 0,75)C	12,2	137,1	179,8	16
37026HG004BA14	4 g 2,5 + (2 x 0,75)C	12,4	175,4	220,3	14
37027HG004BA16	4 g 1,5 + (2 x 1)C	11,7	143,8	218,8	16
37027HG004BA14	4 g 2,5 + (2 x 1)C	12,7	187,8	271,4	14
37027HG004BA12	4 g 4 + (2 x 1)C	14,2	265,1	357,7	12
37027HG004BA10	4 g 6 + (2 x 1)C	15,9	352	466,3	10
37027HG004BA08	4 g 10 + (2 x 1)C	18,6	525,3	637,3	8
37027HG004BA06	4 g 16 + (2 x 1)C	22,2	775,9	936,4	6
37028HG004BA16	4 g 1,5 + (2 x 1,5)C	12,1	156,5	233,9	16
37028HG004BA14	4 g 2,5 + (2 x 1,5)C	13,1	200,6	286,7	14
37028HG004BA12	4 g 4 + (2 x 1,5)C	14,6	287,3	381,3	12
37028HG004BA10	4 g 6 + (2 x 1,5)C	16,3	374,3	490,2	10
37028HG004BA08	4 g 10 + (2 x 1,5)C	18,9	537,9	686,4	8
37028HG004BA06	4 g 16 + (2 x 1,5)C	22	788,4	979,7	6
37028HG004BA04	4 g 25 + (2 x 1,5)C	26,2	1154,5	1399,1	4
37028HG004BA02	4 g 35 + (2 x 1,5)C	30,6	1568,3	1914	2

DESINA® SPECIAL T 830 C + 2 SCREENED PAIRS

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. *)
37025HG004B900	4 g 0,75 + (2 x 0,5)C + (2 x 0,5)C	11,2	122,1	196,7	19
37025HG004B901	4 g 1 + (2 x 0,75)C + (2 x 0,75)C	12,1	152,5	233,6	18
37025HG004B902	4 g 1,5 + (2 x 0,75)C + (2 x 0,75)C	12,7	177,1	264,8	16
37025HG004B903	4 g 2,5 + (2 x 1)C + (2 x 1)C	14,4	248,4	349,9	14
37025HG004B904	4 g 4 + (2 x 1)C + (2 x 1,5)C	16,3	338,5	460,5	12
37025HG004B905	4 g 6 + (2 x 1)C + (2 x 1,5)C	17,9	425,1	571,6	10
37025HG004B906	4 g 10 + (2 x 1)C + (2 x 1,5)C	20,4	589,2	771,9	8
37025HG004B907	4 g 16 + (2 x 1,5)C + (2 x 1,5)C	23,5	852,1	1082,5	6
37025HG004B908	4 g 25 + (2 x 1,5)C + (2 x 1,5)C	27,2	1217,6	1501,1	4

Other dimension and colours available on request.