



ConCab kabel gmbh

# CC-Servoflex PUR-C-595 *SmartLine*

伺服电机电缆 0,6/1 kV  
柔性，屏蔽

CC Servoflex C-595 4G4 + 2x(2x1,5) E 172073 c US AWM STYLE 21223 1.000V 80°C DESINA CE



## 应用领域

CC-Servoflex PUR-C-595 *SmartLine*, 屏蔽, UL/CSA- 认证并且符合 DESINA® 标准, 专为电子控制伺服电机设计, 用作拖链, 自动装卸设备以及机器人的动力和反馈电缆。其可在室内和室外使用, 并且可以在有矿物油和高机械应力的环境中使用。特殊电缆结构以及高质量材料确保了 CC-Servoflex 使用寿命长。整体铜丝屏蔽使该电缆能够实现电磁兼容的要求, 并且确保伺服电机运转无干扰。PUR 外护套耐剪切并且耐磨损。 Servo- 和 DNC- 电机的 CC-Servoflex PUR-C-595 连接动力芯线和屏蔽对绞控制芯线。

## application

CC-Servoflex PUR-C-595 *SmartLine* shielded, UL/CSA approved and DESINA® conforming is designed for electronically controlled servo motors and as a power and feedback cable for power supply chains, automatic handling equipment and robots. It can be used in- and outdoors and in areas where aggressive and mineral oils occur. A special cable structure and high quality materials ensure a long service life. Due to the overall copper shield the cable meets the electromagnetic compatibility (EMC) requirements and ensures a disturbance-free operation of servo motors. The PUR outer sheath is cut, notch and abrasion resistant. The CC-Servoflex PUR-C-595 combines power cores and shielded paired control cores.

## 构造

动力芯线 0,75 mm<sup>2</sup> - 50 mm<sup>2</sup>: 超细裸铜丝, PP 芯线绝缘, 芯线颜色黑色带连续白色数字编号 1-3 和绿黄保护接地导线。  
控制芯线 0,34 mm<sup>2</sup> - 2,5 mm<sup>2</sup>: 超细裸铜丝绞合, PP 芯线绝缘, 芯线颜色黑色带连续白色数字编号, 绞合成缆, 对绞线铝箔屏蔽, 镀锡铜丝屏蔽。动力芯线和对绞控制芯线绞合, 镀锡铜丝屏蔽。  
PUR 外护套, 无粘性, 抗水解和微生物。颜色 DESINA®- 橙色 (RAL 2003)。

## construction

Power cores 0,75 mm<sup>2</sup> - 50 mm<sup>2</sup>: Superfine strands of bare copper wires, polypropylene (PP) core insulation, cores are black with consecutive white numbering 1-3 and greenyellow protective conductor.  
Control cores 0,34 mm<sup>2</sup> - 2,5 mm<sup>2</sup>: Superfine strands of bare copper wires, PP core insulation, cores are black with consecutive white numbering, twisted in pairs, pairs shielded with aluminium foil, tinned copper shield. Power cores and paired control cores twisted, tinned copper shield. PUR-based outer sheath, low-adhesive, resistant to hydrolysis and microbes. Colour DESINA®-orange (RAL 2003).

## 技术数据 / technical data

额定电压 / rated voltage:

动力芯线 / power cores	DIN VDE/IEC	600/1.000 V
	UL/CSA	1.000 V
控制芯线 / control cores	DIN VDE/IEC	300/500 V
	UL/CSA	1.000 V

测试电压 / test voltage:

动力芯线 / power cores	芯 / 芯 / core/core	4.000 V
	芯 / 屏 / core/shield	1.000 V
控制芯线 / control cores	芯 / 芯 / core/core	1.000 V
	芯 / 屏 / core/shield	500 V

导体绞合方式 / conductor stranding:

裸铜丝精绞 / bare fine copper strands,  
符合 / acc. to DIN VDE 0295, 5 类标准 / class 5  
min. 100 MOhm x km

绝缘阻抗 / insulation resistance:

温度范围 / temperature range:

固定安装 / fixed installation: -20° C 至 /to +80° C  
移动安装 / flexible installation: -5° C 至 /to +80° C

弯曲半径 / bending radius:

固定安装 / fixed installation: 10 x d 外径 -Ø / outer-Ø  
移动安装 / flexible application: 15 x d 外径 -Ø / outer-Ø

弯曲次数 / alternating bending cycles:

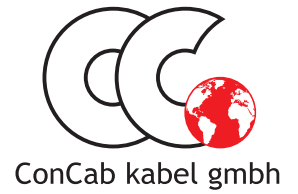
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符合标准 / approvals:

符合 / acc. to DIN VDE 0250, 0285  
UL: Style 21223  
CSA: AWM I A/B II A/B FT 1

# CC-Servoflex PUR-C-595 *SmartLine*

motor supply cable 0,6/1 kV  
flexible, shielded



物料编码 part-no.	芯线数 + 导体截面积 / AWG no. of cores + cross-sections / AWG	铜重 copper weight kg/km	外径 outer-Ø d mm	电缆重量 weight kg/km
595 4007 2203 08	[4 G 0,75/AWG 19 + 2 x (2 x 0,34/AWG 22)]	104	10,6	186
595 4010 2207 08	[4 G 1,0/AWG 18 + 2 x (2 x 0,75/AWG 19)]	127	11,9	210
595 4015 2207 08	[4 G 1,5/AWG 16 + 2 x (2 x 0,75/AWG 19)]	153	12,3	241
595 4025 2215 08	[4 G 2,5/AWG 14 + 2 x (2 x 1,5/AWG 16)]	237	14,4	302
595 4040 2215 08	[4 G 4/AWG 12 + 2 x (2 x 1,5/AWG 16)]	306	15,4	439
595 4060 2215 08	[4 G 6/AWG 10 + 2 x (2 x 1,5/AWG 16)]	387	17,5	587
595 4100 2215 08	[4 G 10/AWG 8 + 2 x (2 x 1,5/AWG 16)]	579	20,6	788
595 4160 2215 08	[4 G 16/AWG 6 + 2 x (2 x 1,5/AWG 16)]	814	23,4	1.077
595 4250 2215 08	[4 G 25/AWG 4 + 2 x (2 x 1,5/AWG 16)]	1.209	27,8	1.554
595 4500 2225 08	[4 G 50/AWG 1 + 2 x (2 x 2,5/AWG 14)]	2.270	36,0	2.887
595 4007 205 08	[4 G 0,75/AWG 19 + (2 x 0,5/AWG 20)]	82	9,5	128
595 4010 210 08	[4 G 1/AWG 18 + (2 x 1/AWG 18)]	110	10,6	177
595 4015 210 08	[4 G 1,5/AWG 16 + (2 x 1,0/AWG 18)]	119	11,7	205
595 4015 215 08	[4 G 1,5/AWG 16 + (2 x 1,5/AWG 16)]	143	11,6	212
595 4025 215 08	[4 G 2,5/AWG 14 + (2 x 1,5/AWG 16)]	183	12,3	255
595 4040 215 08	[4 G 4/AWG 12 + (2 x 1,5/AWG 16)]	251	14,3	347
595 4060 215 08	[4 G 6/AWG 10 + (2 x 1,5/AWG 16)]	334	16,3	459
595 4100 215 08	[4 G 10/AWG 8 + (2 x 1,5/AWG 16)]	522	18,2	695
595 4160 215 08	[4 G 16/AWG 6 + (2 x 1,5/AWG 16)]	780	21,6	987
595 4250 215 08	[4 G 25/AWG 4 + (2 x 1,5/AWG 16)]	1.160	26,6	1.485

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