

ConCab kabel gmbh

# CC-Servoflex PUR-C-583

伺服电机电缆 0,6/1 kV

低电容，超高柔性，无卤，屏蔽



## 应用领域

符合 UL/CSA 认证和 DESINA®-标准的 CC-Servoflex PUR-C-583 屏蔽和低电容，也有单芯电缆版本，设计用作连接电气控制伺服和 DNC-电机和变频器。其用于拖链，自动装卸设备和机器人。其可用于室内和室外，以及在有矿物油的环境中使用。电缆的特殊结构以及高质量材料确保了 CC-Schleppflex PUR-C-583 的使用寿命长。该电缆的整体铜屏蔽使该电缆能够达到电磁兼容的要求并且确保了伺服和 DNC-电机不受干扰运转。外护套为 PUR，耐剪切并且耐磨损。

## application

CC-Servoflex PUR-C-583 shielded, UL/CSA and DESINA® conforming with low capacitance - also available as single core cable - is designed to connect electronically controlled servo and DNC-motors and frequency converters. It is used in power supply chains, automatic handling equipment and robots. It can be used in- and outdoors and where aggressive and mineral oils occur. A special cable structure and high quality materials ensure a long service life of CC-Schleppflex PUR-C-583. Due to the overall copper shield the cable meets the electromagnetic compatibility (EMC) requirements and ensures a disturbance free operation of servo and DNC- motors. The polyurethane (PUR) outer sheath is highly cut and notch resistant and non-abrasive.

## 构造

超细铜丝精绞，特殊双层混合物芯线绝缘，芯线颜色为黑色带连续白色数字编号和绿黄保护接地导线，镀锡铜丝屏蔽，PUR 外护套，无卤，阻燃和自熄（符合 DIN EN 60332-1-2 VDE 0482 第 332-1-2:2005-06 部分标准），无粘性，抗水解和微生物。外护套颜色 DESINA®-橙色 (RAL 2003) 或者黑色 (RAL 9005)。

## construction

Superfine strands of bare copper wires, core insulation of special double-layered mixture, cores are black with consecutive white numbering and greenyellow protective conductor, tinned copper shield. PUR-based outer sheath, halogen-free, flame retardant and self-extinguishing (acc. DIN EN 60332-1-2 VDE 0482 part 332-1-2:2005-06), low-adhesive and resistant to hydrolysis and microbes. Colour DESINA®-orange (RAL 2003) or black (RAL 9005).

## 技术数据 / technical data

额定电压 / rated voltage:

DIN VDE/IEC 600/1.000 V  
UL/CSA 1.000 V

测试电压 / test voltage:

4.000 V

导体电压 / conductor stranding:

超细裸铜丝 / bare super fine copper strands,  
符合 / acc. to DIN VDE 0295, 6 类标准 / class 6

绝缘阻抗 / insulation resistance:

min. 100 MOhm x km  
min. 200 MOhm x km 针对单芯线 / for single core

工作电压 / operating capacity (800Hz):

芯 / 芯 core/core ~ 70nF/km  
芯 / 屏 core/shield ~ 110nF/km

温度范围 / temperature range:

固定安装 / fixed installation: -50° C 至 /to +80° C  
移动应用 / flexible application: -40° C 至 /to +80° C

弯曲半径 / bending radius:

固定安装 / fixed installation: 5 x d 外径 -Ø / outer-Ø

弯曲次数 / alternating bending cycles:

移动应用 / flexible application: 7,5 x d 外径 -Ø / outer-Ø  
大于一千万次

符合标准 / approvals:

符合 / acc. to DIN VDE 0250, 0285

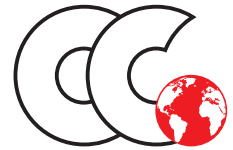
UL: 电缆 / cable: Style 20234  
单芯线 / single core: Style 10835

CSA: AWM I A/B, II A/B FT1

# CC-Servoflex PUR-C-583

motor supply cable 0,6/1 kV

low capacitance, super flexible, halogen-free, shielded



ConCab kabel gmbh

robust cables

Schleppflex®

BUS cables

control cables

data cables

IT/communic.

high-temp.

lift cables

rubber cables

single cores

spiral cables

accessories

technical annex

物料编码 part-no.	芯线数 / 导体截面积 no. of cores / cross-section	芯线数 / AWG no. of cores / AWG	铜重 copper weight kg/km	外径 outer- $\phi$ d mm	电缆重量 weight kg/km
单芯电缆 黑色 / single core cables black					
583 1201 00	1 x 4	AWG 12	55	7,0	86
583 1001 00	1 x 6	AWG 10	77	7,7	115
583 0801 00	1 x 10	AWG 8	127	9,0	170
583 0601 00	1 x 16	AWG 6	187	10,4	240
583 0401 00	1 x 25	AWG 4	258	12,0	353
583 0201 00	1 x 35	AWG 2	402	14,0	481
583 01001 00	1 x 50	AWG 1/0	553	15,8	631
583 02001 00	1 x 70	AWG 2/0	776	17,4	853
583 03001 00	1 x 95	AWG 3/0	1.028	20,2	1.146
583 04001 00	1 x 120	AWG 4/0	1.282	23,4	1.431
583 25001 00	1 x 150	MCM 250	1.572	26,4	1.950
583 35001 00	1 x 185	MCM 350	1.941	29,9	2.600
583 45001 00	1 x 240	MCM 450	2.535	34,3	3.380
583 50001 00	1 x 300	MCM 500	3.129	36,8	4.100
单芯电缆 橙色 / single core cables orange					
583 0801 08	1 x 10	AWG 8	127	9,0	170
583 0601 08	1 x 16	AWG 6	187	10,4	240
583 0401 08	1 x 25	AWG 4	258	12,0	353
583 0201 08	1 x 35	AWG 2	402	14,0	481
583 01001 08	1 x 50	AWG 1/0	553	15,8	631
583 02001 08	1 x 70	AWG 2/0	776	17,4	853
583 03001 08	1 x 95	AWG 3/0	1.028	20,2	1.146
583 04001 08	1 x 120	AWG 4/0	1.282	23,4	1.431
583 25001 08	1 x 150	MCM 250	1.572	26,4	1.950
583 35001 08	1 x 185	MCM 350	1.941	29,9	2.600
583 45001 08	1 x 240	MCM 450	2.535	34,3	3.380
583 50001 08	1 x 300	MCM 500	3.129	36,8	4.100
Motor- 伺服电机电缆 / motor supply cable					
583 180 408	4 G 1	4 x AWG 18	57	8,4	107
583 160 408	4 G 1,5	4 x AWG 16	84	9,6	152
583 140 408	4 G 2,5	4 x AWG 14	128	10,8	201
583 120 408	4 G 4	4 x AWG 12	201	12,8	298
583 100 408	4 G 6	4 x AWG 10	285	14,1	410
583 080 408	4 G 10	4 x AWG 8	457	17,8	640
583 060 408	4 G 16	4 x AWG 6	729	20,7	932
583 040 408	4 G 25	4 x AWG 4	1.107	25,7	1.420
583 020 408	4 G 35	4 x AWG 2	1.533	34,0	1.905
583 010 408	4 G 50	4 x AWG 1	2.202	36,0	2.700