

# CC-Schleppflex<sup>®</sup> PVC-593 *SmartLine*

## 高柔性控制拖链电缆

ConCab kabel gmbh



Robust-Ltg.  
Schleppflex<sup>®</sup>  
BUS-Ltg.  
Steuer-Ltg.  
Daten-Ltg.  
IT/Kommunik.  
Hochtemp.-Ltg.  
Aufzugs-Ltg.  
Gummi-Ltg.  
Einzel-Adern  
Spiralkabel  
Kabel-Zubehör  
Technik-Anhang

### 应用领域

CC-Schleppflex<sup>®</sup> PVC-593 *SmartLine* 作为控制电缆，用于动力拖链中。工业自动化行业不断发展的要求以及对于更经济的要求，需要电缆能承受低至中等机械应力。CC-Schleppflex<sup>®</sup> PVC-593 通过其设计满足了这一要求，归功于它研发以实际应用为着眼点。CC-Schleppflex<sup>®</sup> PVC-593 控制电缆的特殊构造以及各组成部分使其拥有持久的工作寿命。可以用于潮湿的环境，但不能用于室外。

### application

CC-Schleppflex<sup>®</sup> PVC-593 *SmartLine* has been developed as a control cable for use in power supply chains. The increasing demand

also towards economy in industrial automation requires cables for light to medium mechanical stresses. CC-Schleppflex<sup>®</sup> PVC-593 with its compact design meets this requirement due to its praxis-oriented development. A long service life is achieved by the special structure and compounds of the CC-Schleppflex<sup>®</sup> PVC-593 control cable. It can be used in damp and wet areas but not outdoors.

### 构造

裸铜丝精绞，PVC 芯线绝缘，芯线黑色带连续白色数字编号。电缆 3 芯及以上带绿 / 黄保护接地线。芯线绞合成缆，绞合节距短。PVC 外护套，低粘性，外护套颜色灰色 (RAL 7001)。

### construction

Fine strands of bare copper wire, PVC core insulation, cores black with consecutive white numbering. Cables with 3 cores or more contain a greenyellow protective conductor in the outer layer. Cores twisted in layers in very short lay lengths. PVC outer sheath, low adhesive. Colour grey (RAL 7001).

### 技术数据 / technical data

额定电压 / rated voltage:

DIN VDE/IEC 300/500 V

测试电压 / test voltage:

UL/CSA 600V

导体绞合方式 / conductor stranding:

4.000 V

细铜丝精绞 / fine copper strands,

符合 / acc. to DIN VDE 0295, 5 类 / class 5

绝缘阻抗 / insulation resistance:

最小 20 MOhm x km

温度范围 / temperature range:

固定安装 / fixed installation: -40° C 至 /to +70° C (+80° C UL)

移动应用 / flexible application: 0° C 至 /to +70° C (+80° C UL)

弯曲半径 / bending radius:

固定安装 / fixed installation: 4 x d 外径 -Ø / outer-Ø

移动应用 / flexible application: 12 x d 外径 -Ø / outer-Ø

弯曲次数 / alternating bending cycles:

最大 1-2 百万次

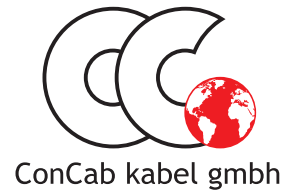
移动行程 / traverse path:

最大 10 m

符合标准 / approvals:

符合 / acc. to DIN VDE 0285 525-2-51 标准

# CC-Schleppflex® PVC-593 *SmartLine* control cable, flexible



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	电缆外径 outer-Ø d mm	电缆重量 weight kg/km
593 20 02	2 X 0,5	2 X AWG 20	10	5,2	40
593 20 03	3 G 0,5	3 X AWG 20	15	5,3	48
593 20 04	4 G 0,5	4 X AWG 20	20	5,7	58
593 20 05	5 G 0,5	5 X AWG 20	24	6,1	67
593 20 07	7 G 0,5	7 X AWG 20	34	7,2	88
593 20 12	12 G 0,5	12 X AWG 20	58	8,9	136
593 20 18	18 G 0,5	18 X AWG 20	87	10,2	195
593 20 25	25 G 0,5	25 X AWG 20	120	12,5	274
593 19 02	2 X 0,75	2 X AWG 19	15	5,4	49
593 19 03	3 G 0,75	3 X AWG 19	22	5,7	60
593 19 04	4 G 0,75	4 X AWG 19	29	6,1	73
593 19 05	5 G 0,75	5 X AWG 19	37	6,7	86
593 19 07	7 G 0,75	7 X AWG 19	51	7,9	117
593 19 12	12 G 0,75	12 X AWG 19	87	9,7	181
593 19 18	18 G 0,75	18 X AWG 19	130	11,3	259
593 19 25	25 G 0,75	25 X AWG 19	181	13,9	363
593 18 02	2 X 1,0	2 X AWG 18	19	5,8	58
593 18 03	3 G 1,0	3 X AWG 18	29	6,1	72
593 18 04	4 G 1,0	4 X AWG 18	39	6,6	88
593 18 05	5 G 1,0	5 X AWG 18	48	7,2	104
593 18 07	7 G 1,0	7 X AWG 18	67	8,5	142
593 18 12	12 G 1,0	12 X AWG 18	115	10,5	221
593 18 18	18 G 1,0	18 X AWG 18	173	12,4	324
593 18 25	25 G 1,0	25 X AWG 18	240	15,1	445
593 16 02	2 X 1,5	2 X AWG 16	29	6,8	74
593 16 03	3 G 1,5	3 X AWG 16	43	7,2	93
593 16 04	4 G 1,5	4 X AWG 16	58	8,0	114
593 16 05	5 G 1,5	5 X AWG 16	72	8,7	139
593 16 07	7 G 1,5	7 X AWG 16	101	10,1	189
593 16 12	12 G 1,5	12 X AWG 16	173	12,8	295
593 16 18	18 G 1,5	18 X AWG 16	259	15,0	429
593 16 25	25 G 1,5	25 X AWG 16	360	18,2	597
593 14 03	3 G 2,5	3 X AWG 14	72	8,7	145
593 14 04	4 G 2,5	4 X AWG 14	96	9,4	179
593 14 07	7 G 2,5	7 X AWG 14	168	12,2	218
593 12 04	4 G 4,0	4 X AWG 12	160	11,3	266

robust cables

Schleppflex®

BUS cables

control cables

data cables

IT/communic.

high-temp.

lift cables

rubber cables

single cores

spiral cables

accessories

technical annex