



ConCab kabel gmbh

CC-control tray TM-CY-171

柔性，耐油控制电缆 600 V，屏蔽
用于电缆桥架和机器开放式布线



ConCab kabel Mainhardt TM 171 E337473 TC OPEN WIRING OR MTW 600V 90°C CE



应用领域

CC-control tray TM-CY-171 NFPA 79 认证，屏蔽，特别根据北美市场要求设计。该控制电缆可以用于电缆桥架和机器或者工业设备间的无保护开放式布线。特殊 PVC 混合物材料阻燃并且可以用于干燥和潮湿的环境。特殊技术设计确保了完美的无差错运转。增加的应用领域为：

- 风力涡轮发动机：USA WTTC 风力涡轮发动机桥架电缆
- 机床：UL MTW（机床配线）
- 1 类，2 区，按照 NEC，全国电气规程“第 336. 10 (7) 部分标准

application

CC-Control Tray TM-CY-171 NFPA 79 approved, is specially designed on the requirements of the North American market. This control cable can be used for the open, unprotected wiring between cable trays and machineries or industrial equipment. Special PVC- compound, flame retardant and can be used in dry, damp and wet areas. A specific technical design guarantees an optimized, failure-free operation. Additional applications:

- Wind turbines: USA Wind Turbine Tray Cable (WTTC)
- Machine tools UL MTW (Machine Tool Wiring)
- Class 1, Div. 2 acc. to NEC “National Electrical Code “ part. 336. 10 (7)

构造

纯铜丝精绞，特殊 PVC 芯线绝缘带透明 PA (尼龙®)，黑色芯线带连续白色数字编号，以及绿黄保护接地导线，芯线绞合在一起，铝箔，镀锡铜丝屏蔽，PVC 外护套，阻燃（按照 FT4 标准）并且自熄（符合 DIN EN 60332-1-2 VDE 0482 332-1-2:2005-06 部分标准）。外护套颜色灰色 (RAL 7001)。

construction

Fine strands of bare copper wires, special PVC-based core insulation with transparent polyamide (Nylon®) skin, cores are black with consecutive white numbering and greenyellow protective conductor, cores twisted together, aluminium foil, tinned copper braid. PVC outer sheath, flame retardant (acc. to FT4) and self-extinguishing (acc. to DIN EN 60332-1-2 VDE 0482 part 332-1-2:2005-06). Colour grey (RAL 7001).

技术数据 / technical data

额定电压 / rated voltage:

DIN VDE/IEC	300/500 V
UL	600 V TC-ER
UL MTW, TC-ER, WTTC	1.000 V

测试电压 / test voltage:

2000 V

导体绞合方式 / conductor stranding:

纯铜丝绞合 / fine copper strands,
符合 / acc. to DIN VDE 0295, 5 类标准 / class 5
min. 200 MOhm x km

绝缘阻抗 / insulation resistance:

温度范围 / temperature range:

固定安装 / fixed installation: -40 °C 至 /to +90 °C
移动应用 / flexible application: -5 °C 至 /to +90 °C

弯曲半径 / bending radius:

固定安装 / fixed installation: 6 x d 外径 -Ø / outer-Ø

符合标准 / approvals:

UL: MTW, , TC-ER (Tray Cable Exposed Run)
cUL: Type TC 和 /and CIC FT4

CC-control tray TM-CY-171

flexible, oil resistant control cable 600 V, shielded
for cable trays and open wiring at machines



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-Ø d mm	电缆重量 weight kg/km
171 18 03	3 G 1,0	3 X AWG 18	51	8,1	119
171 18 04	4 G 1,0	4 X AWG 18	64	8,6	137
171 18 05	5 G 1,0	5 X AWG 18	77	9,3	150
171 18 07	7 G 1,0	7 X AWG 18	101	10,1	192
171 18 12	12 G 1,0	12 X AWG 18	162	12,9	331
171 18 18	18 G 1,0	18 X AWG 18	229	15,5	439
171 18 25	25 G 1,0	25 X AWG 18	327	18,3	576
171 16 02	2 X 1,5	2 X AWG 16	50	8,3	116
171 16 03	3 G 1,5	3 X AWG 16	71	8,6	144
171 16 04	4 G 1,5	4 X AWG 16	89	9,4	174
171 16 05	5 G 1,5	5 X AWG 16	108	10,1	190
171 16 07	7 G 1,5	7 X AWG 16	143	11,0	247
171 16 12	12 G 1,5	12 X AWG 16	240	14,9	427
171 16 18	18 G 1,5	18 X AWG 16	346	17,2	551
171 16 25	25 G 1,5	25 X AWG 16	472	20,2	750
171 14 03	3 G 2,5	3 X AWG 14	105	9,6	179
171 14 04	4 G 2,5	4 X AWG 14	136	10,4	224
171 14 05	5 G 2,5	5 X AWG 14	161	11,2	269
171 14 07	7 G 2,5	7 X AWG 14	214	12,4	328
171 12 04	4 G 4	4 X AWG 12	205	11,9	314
171 12 05	5 G 4	5 X AWG 12	243	13,1	388
171 12 07	7 G 4	7 X AWG 12	323	14,9	500
171 10 04	4 G 6	4 X AWG 10	306	14,8	553
171 10 05	5 G 6	5 X AWG 10	349	16,3	614
171 08 04	4 G 10	4 X AWG 8	517	19,7	858
171 06 04	4 G 16	4 X AWG 6	789	23,5	1.208

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