

CC-Multinorm PVC-167

通过 UL 和 CSA 认证的耐油 PVC 控制电缆

ConCab kabel gmbh



应用领域

CC-Multinorm PVC-167 符合 UL/CSA 认证，是特别为北美市场设计的。其适合用作控制、调节和测量电缆，尤其是当需要做无限制运动的时候。它可以用于机床、工厂和器械设备的构造中，以及采暖、通风、空气调节和其它电器设备的应用场合以及有耐油规定的地方，根据 DIN EN 50525-2-51:2012-01 以及 UL 2587 标准。PVC 外护套极其耐油和化学物质。该产品无硅酮、镉或任何有害物质。

application

The CC-Multinorm PVC-167 with UL/CSA approval, is especially designed for the North American market. It is suitable as a control, regulating and measuring cable especially when free unrestricted movement is required. It is used in machine tool, plant and apparatus construction, heating, air conditioning, ventilation technology and for other electrical equipment as well as where stipulations for oil resistance under DIN EN 50525-2-51:2012-01 and UL 2587 are required. The outer sheath, based on PVC, is extremely resistant to oil and chemicals. It is to a large extent free of silicone, cadmium and free of harmful substances.

构造

纯铜丝绞合，PVC 芯线绝缘。黑色芯线带连续白色数字编号。3 芯及以上带绿黄保护接地导线。芯线绞合成缆。耐油 PVC 外护套，阻燃和自熄（符合 DIN EN 60332-1-2 VDE 0482 332-1-2:2005-06 und CSA FT1 部分标准）。外护套颜色灰色 (RAL 7001)。

construction

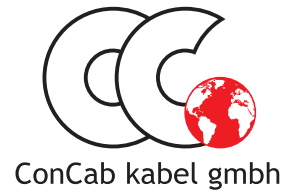
Fine strands of bare copper wire with PVC core insulation. Cores black with consecutive white numbering. 3 cores or more with protective greenyellow conductor in the outer layer. Cores twisted in layers. Oil resistant PVC-based outer sheath, flame retardant and self-extinguishing (acc. to DIN EN 60332-1-2 VDE 0482 part 332-1-2:2005-06 and CSA FT 1). Outer sheath colour grey (RAL 7001).

技术数据 / technical data

额定电压 / rated voltage:	DIN VDE/IEC 300/500 V UL/CSA 600 V
测试电压 / test voltage:	3000 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
绝缘阻抗 / insulation resistance:	min. 20 MOhm x km
温度范围 / temperature range:	HAR 固定安装 / fixed installation: -40° C 至 /to +70° C HAR 移动应用 / flexible application: -5° C 至 /to +70° C UL/CSA 固定安装 / fixed installation: -40° C 至 /to +90° C UL/CSA 移动应用 / flexible application: -5° C 至 /to +90° C
弯曲半径 / bending radius:	固定安装 / fixed installation: 5 x d 外径 -Ø / outer-Ø 移动应用 / flexible application: 15 x d 外径 -Ø / outer-Ø
符合标准 / approvals:	符合 / acc. to DIN EN 50525-2-51:2012-01 UL: AWM-Style 1012, Style 2587, VW-1 CSA: AWM I A/B, II A/B, FT1 从 / from 4mm ² /AWG 12 规格以上开始，只符合 / only UL / CSA

CC-Multinorm PVC-167

oil resistant PVC-control cable with approvals



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	重量 weight kg/km
167 20 02	2 X 0,5	2 X AWG 20	10	5,9	52
167 20 03	3 G 0,5	3 X AWG 20	15	6,2	63
167 20 04	4 G 0,5	4 X AWG 20	21	7,0	69
167 20 05	5 G 0,5	5 X AWG 20	25	7,4	87
167 20 07	7 G 0,5	7 X AWG 20	34	9,3	119
167 20 09	9 G 0,5	9 X AWG 20	43	11,4	150
167 20 12	12 G 0,5	12 X AWG 20	58	11,4	198
167 20 18	18 G 0,5	18 X AWG 20	87	13,4	260
167 20 25	25 G 0,5	25 X AWG 20	120	16,2	380
167 20 34	34 G 0,5	34 X AWG 20	164	19,5	509
167 20 41	41 G 0,5	41 X AWG 20	196	21,0	595
167 19 02	2 X 0,75	2 X AWG 19	15	6,3	66
167 19 03	3 G 0,75	3 X AWG 19	22	6,8	76
167 19 04	4 G 0,75	4 X AWG 19	29	7,5	85
167 19 05	5 G 0,75	5 X AWG 19	36	8,1	113
167 19 07	7 G 0,75	7 X AWG 19	50	10,1	145
167 19 09	9 G 0,75	9 X AWG 19	65	12,2	231
167 19 12	12 G 0,75	12 X AWG 19	86	12,2	245
167 19 18	18 G 0,75	18 X AWG 19	130	14,3	338
167 19 25	25 G 0,75	25 X AWG 19	180	17,7	467
167 19 34	34 G 0,75	34 X AWG 19	245	19,8	626
167 19 41	41 G 0,75	41 X AWG 19	296	21,5	748
167 19 50	50 G 0,75	50 X AWG 19	360	23,3	896
167 19 61	61 G 0,75	61 X AWG 19	440	25,8	1060
167 18 02	2 X 1,0	2 X AWG 18	20	6,8	80
167 18 03	3 G 1,0	3 X AWG 18	29	7,2	89
167 18 04	4 G 1,0	4 X AWG 18	39	7,8	104
167 18 05	5 G 1,0	5 X AWG 18	48	8,8	132
167 18 07	7 G 1,0	7 X AWG 18	67	10,4	183
167 18 09	9 G 1,0	9 X AWG 18	87	12,2	230
167 18 12	12 G 1,0	12 X AWG 18	115	13,0	286
167 18 18	18 G 1,0	18 X AWG 18	173	15,5	405
167 18 25	25 G 1,0	25 X AWG 18	240	18,4	570
167 18 34	34 G 1,0	34 X AWG 18	326	20,9	742
167 18 41	41 G 1,0	41 X AWG 18	394	22,7	886
167 18 50	50 G 1,0	50 X AWG 18	440	24,5	1.072
167 16 02	2 X 1,5	2 X AWG 16	29	7,7	95
167 16 03	3 G 1,5	3 X AWG 16	43	8,6	110
167 16 04	4 G 1,5	4 X AWG 16	58	9,3	141
167 16 05	5 G 1,5	5 X AWG 16	72	10,3	168
167 16 07	7 G 1,5	7 X AWG 16	101	12,0	225
167 16 09	9 G 1,5	9 X AWG 16	130	14,6	254
167 16 12	12 G 1,5	12 X AWG 16	173	14,6	361

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
167 16 18	18 G 1,5	18 X AWG 16	259	17,6	518
167 16 25	25 G 1,5	25 X AWG 16	360	21,8	730
167 16 34	34 G 1,5	34 X AWG 16	490	26,0	865
167 16 41	41 G 1,5	41 X AWG 16	591	26,4	1.136
167 16 50	50 G 1,5	50 X AWG 16	720	29,5	1.381
167 14 02	2 X 2,5	2 X AWG 14	48	9,0	125
167 14 03	3 G 2,5	3 X AWG 14	72	9,7	170
167 14 04	4 G 2,5	4 X AWG 14	96	10,8	210
167 14 05	5 G 2,5	5 X AWG 14	120	11,9	257
167 14 07	7 G 2,5	7 X AWG 14	168	14,7	340
167 14 09	9 G 2,5	9 X AWG 14	216	17,0	433
167 14 12	12 G 2,5	12 X AWG 14	288	17,8	580
167 14 18	18 G 2,5	18 X AWG 14	432	21,4	860
167 14 25	25 G 2,5	25 X AWG 14	600	26,1	1.175
167 12 03	3 G 4	3 X AWG 12	115	10,4	226
167 12 04	4 G 4	4 X AWG 12	154	11,1	274
167 12 05	5 G 4	5 X AWG 12	192	12,4	355
167 12 07	7 G 4	7 X AWG 12	269	13,7	462
167 10 03	3 G 6	3 X AWG 10	173	12,3	349
167 10 04	4 G 6	4 X AWG 10	231	13,5	402
167 10 05	5 G 6	5 X AWG 10	288	15,0	487
167 10 07	7 G 6	7 X AWG 10	403	18,9	633
167 08 03	3 G 10	3 X AWG 8	288	15,4	533
167 08 04	4 G 10	4 X AWG 8	384	17,4	634
167 08 05	5 G 10	5 X AWG 8	480	20,0	781
167 08 07	7 G 10	7 X AWG 8	672	23,4	1.128
167 06 03	3 G 16	3 X AWG 6	461	18,6	844
167 06 04	4 G 16	4 X AWG 6	614	22,8	1.063
167 06 05	5 G 16	5 X AWG 6	768	23,0	1.241
167 06 07	7 G 16	7 X AWG 6	1.075	24,5	1.754
167 04 03	3 G 25	3 X AWG 4	720	23,4	1.200
167 04 04	4 G 25	4 X AWG 4	960	26,8	1.593
167 04 05	5 G 25	5 X AWG 4	1.200	28,6	1.991
167 04 07	7 G 25	7 X AWG 4	1.680	34,6	2.846
167 02 03	3 G 35	3 X AWG 2	1.008	26,3	1.612
167 02 04	4 G 35	4 X AWG 2	1.344	30,0	2.118
167 02 05	5 G 35	5 X AWG 2	1.680	32,5	2.621

从截面积 4mm²/AWG12 以上开始符合 <HAR> 标准 /
from cross-section 4 mm²/AWG12 in accordance to <HAR>

robust cables
Schleppflex®
BUS cables
control cables
data cables
IT/communic.
high-temp.
lift cables
rubber cables
single cores
spiral cables
accessories
technical annex