

通过UL 和CSA 认证的耐油PVC 控制电缆 SHF- Multinorm PVC

护套颜色 <i>Colour of jacket</i>  <p>(可按要求提供更多颜色 / other colours on request)</p>		认证 <i>Standards</i> 
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应用场景 <i>Application</i> 	包装 <i>Packaging</i> 
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技术数据 <i>Technical Data</i>			
导体绞合方式/Conductor Stranding	纯铜丝绞合	绝缘阻抗 /Insulation resistance	min. 20 Mohm x km
额定电压 / Nominal Voltage	符合 DIN VDE 0295, 5 类标准 / class 5 DIN VDE/IEC 300/500 V UL/CSA 600V	弯曲半径 / bending radius	固定安装 5 x d 移动应用 15 x d
测试电压 / Test Voltage	3000 V (AC)	符合标准 /approvals	按照 DIN EN 50525-2-51:2012-01
温度范围 / Temperature range	HAR 固定安装: -40°C - +70°C HAR 移动应用: -5°C - +70°C UL/CSA固定安装: -40 - +90°C UL/CSA移动应用: -5 - +90°C		UL: AWM-Style 1012, Style 2587, VW-1 CSA: AWM I A/B, II A/B, FT1 从 4mm2/AWG 12 规格以上开始, 只符合 UL / CSA

Multinorm PVC 符合 UL/CSA 认证, 是特别为北美市场设计的。其适合作控制、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。

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)。

The Multinorm PVC- 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.

Fine strands of bare copper wire with PVC core insulation. Cores black with consecutive white numbering. 3 cores or more with protective green/yellow 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).

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

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