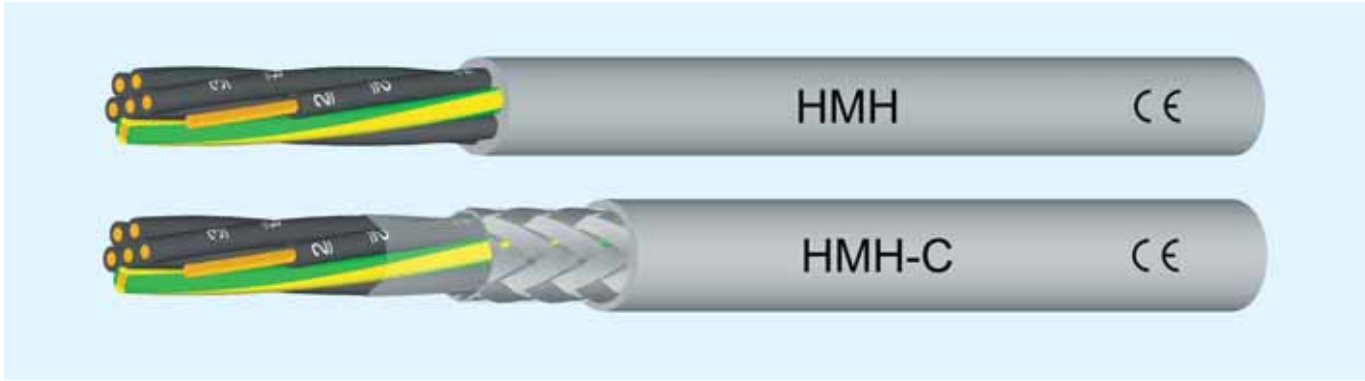


HMH, HMH-C

Flexible control cable, halogen-free



Cable structure

- Bare copper conductor according to DIN VDE 0295 and IEC 60228 cl. 5
- Insulation of halogen-free compound
- Black cores with continuous white numbering
- Green-yellow earth core, (3 cores and more), cores stranded in layers with optimal lay length
- HMH-C version with separating layer, screening with tinned copper braiding, coverage approx. 85 %
- Halogen-free sheath, color grey, extensively oil resistant

Tests

- Flame-retardant to DIN VDE 0482-332-3-24/EN 60332-3-24/IEC 60332-3-24 (cat. C)
- Low corrosiveness of combustion gases to IEC 60754-2
- Halogen-free to IEC 60754-1
- Smoke density to IEC 61034-1,61034-2
- Self-extinguishing and flame resistant, according to IEC 60332-1-2

Application

These halogen-free cables with enhanced resistance to fire are used as measuring and control cables in machine tools, conveyor belts, production lines, air conditioning technics etc. These cables are designed for fixed or flexing installation under medium mechanical stress, however tensile stress must be avoided. These cables are ideal for application in dry, moist and wet areas as well as for laying on, in and under plaster but not suitable for direct burial into compressed concrete.

Note

CE = the product is conformed with the EC Low-Voltage Directive 2014/35/EU. Conforms to RoHS.

Technical data

- Control cable, flexible, halogen-free according to DIN EN 50525-2-51
- **Temperature range** flexing from -5 °C to +70 °C
fixed from -40 °C to +70 °C
- **Nominal voltage** U_0/U 300/500 V
- **Test voltage** 2000 V
- **Minimum bending radius** approx. 15× cable diameter

HMH

Part No.	Number of cores × core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0511201 OZ	2×0,5	5,4	9,6	45
0511202	3×0,5	5,7	14,4	60
0511203	4×0,5	6,3	19,0	70
0511204	5×0,5	6,8	24,0	90
0511205	7×0,5	8,2	33,6	125
0511206	8×0,5	9,0	38,0	140
0511207	10×0,5	10,0	48,0	160
0511208	12×0,5	10,1	58,0	180
0511209	16×0,5	11,5	76,0	215
0511210	18×0,5	12,4	86,0	280
0511211	20×0,5	13,0	96,0	310
0511212	25×0,5	15,0	120,0	330
0511213	30×0,5	15,6	144,0	390
0511214	34×0,5	17,0	163,0	420
0511215	37×0,5	17,0	178,0	480
0511221 OZ	2×0,75	6,0	14,4	60
0511222	3×0,75	6,4	21,6	75
0511223	4×0,75	7,0	29,0	100
0511224	5×0,75	7,6	36,0	125
0511225	7×0,75	9,2	50,0	170
0511226	8×0,75	10,2	58,0	190
0511227	10×0,75	11,3	72,0	215
0511228	12×0,75	11,6	86,0	250
0511229	16×0,75	13,2	115,0	330
0511230	18×0,75	14,0	130,0	360
0511231	20×0,75	15,0	144,0	500
0511232	25×0,75	17,2	180,0	698
0511233	30×0,75	18,0	216,0	720
0511234	34×0,75	19,5	245,0	770
0511235	37×0,75	19,5	260,0	795

Part No.	Number of cores × core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0511241 OZ	2×1	6,3	19,2	66
0511242	3×1	6,7	29,0	90
0511243	4×1	7,3	38,4	120
0511244	5×1	8,0	48,0	146
0511245	7×1	10,0	67,0	210
0511246	8×1	11,0	77,0	225
0511247	10×1	12,3	96,0	270
0511248	12×1	12,6	115,0	303
0511249	16×1	14,1	154,0	406
0511250	18×1	15,0	173,0	425
0511251	20×1	16,0	192,0	505
0511252	25×1	18,3	240,0	600
0511253	34×1	20,8	326,0	776
0511254	37×1	20,8	355,0	833
0511260 OZ	2×1,5	7,2	29,0	100
0511261	3×1,5	7,9	43,0	120
0511262	4×1,5	8,6	58,0	155
0511263	5×1,5	9,6	72,0	200
0511264	7×1,5	11,6	101,0	208
0511265	8×1,5	12,9	115,0	340
0511266	10×1,5	14,2	144,0	360
0511267	12×1,5	14,5	173,0	375
0511268	16×1,5	16,6	230,0	440
0511269	18×1,5	17,7	259,0	590
0511270	20×1,5	18,6	288,0	680
0511271	25×1,5	21,5	360,0	801
0511272	34×1,5	24,3	490,0	1050
0511273	37×1,5	24,3	533,0	1140

HMH, HMH-C

Flexible control cable, halogen-free

Part No.	Number of cores x core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0511277 OZ	2x2,5	8,0	48,0	150
0511278	3x2,5	8,5	72,0	180
0511279	4x2,5	9,5	96,0	236
0511280	5x2,5	10,7	120,0	296
0511281	7x2,5	13,0	168,0	363
0511282	8x2,5	14,0	192,0	378
0511283	10x2,5	15,8	240,0	444
0511284	12x2,5	16,3	288,0	571
0511285	16x2,5	18,2	384,0	730
0511286	18x2,5	19,4	432,0	800
0511287	20x2,5	20,6	480,0	1070
0511290 OZ	2x4	9,8	77,0	199
0511291	3x4	10,6	115,0	282
0511292	4x4	11,7	154,0	369
0511293	5x4	13,2	192,0	444
0511294	7x4	16,0	269,0	525
0511295	8x4	17,8	307,0	603
0511296	10x4		19,6	384,0 798
0511297	12x4	20,2	461,0	984
0511300 OZ	2x6	12,0	115,0	266
0511301	3x6	12,7	173,0	399
0511302	4x6	14,1	230,0	590
0511303	5x6	15,8	288,0	715
0511304	7x6	17,6	403,0	963
0511305 OZ	2x10	15,0	192,0	490
0511306	3x10	16,2	288,0	750

HMH-C

0511656 OZ	2x0,5	6,0	32,1	46
0511657	3x0,5	6,3	39,2	56
0511658	4x0,5	6,8	46,1	62
0511659	5x0,5	7,4	52,1	75
0511660	7x0,5	8,8	68,3	98
0511663	12x0,5	10,9	117,0	158
0511665	18x0,5	13,0	156,2	216
0511667	25x0,5	15,8	205,5	315
0511678 OZ	2x0,75	6,6	39,3	60
0511679	3x0,75	7,0	49,4	68
0511680	4x0,75	7,6	57,2	78
0511681	5x0,75	8,4	69,0	95
0511682	7x0,75	10,0	87,1	130
0511685	12x0,75	12,4	151,2	203
0511687	18x0,75	14,8	207,5	290
0511689	25x0,75	18,1	275,8	413
0511700 OZ	2x1	6,9	46,3	66
0511701	3x1	7,2	56,4	80
0511702	4x1	7,9	69,7	100
0511703	5x1	8,8	85,4	130
0511704	7x1	10,7	107,3	160
0511707	12x1	13,0	187,0	260
0511709	18x1	15,9	253,5	382
0511711	25x1	19,2	342,6	540
0511722 OZ	2x1,5	7,8	63,3	88
0511723	3x1,5	8,4	76,2	100
0511724	4x1,5	9,4	96,2	125
0511725	5x1,5	10,2	111,5	158
0511726	7x1,5	12,4	148,0	210
0511729	12x1,5	15,5	254,5	340
0511731	18x1,5	18,4	367,7	480
0511733	25x1,5	22,7	492,4	702
0511744 OZ	2x2,5	8,6	96,4	132
0511745	3x2,5	9,1	148,5	168
0511746	4x2,5	10,1	174,2	195
0511747	5x2,5	11,2	200,8	222
0511748	7x2,5	13,6	235,6	345
0511751	12x2,5	17,0	441,0	572

Part No.	Number of cores x core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0511307	4x10	18,0	384,0	908
0511308	5x10	19,8	480,0	1120
0511310 OZ	2x16	17,3	307,0	665
0511311	3x16	18,7	461,0	998
0511312	4x16	20,6	614,0	1338
0511313	5x16	23,5	768,0	1485
0511315	3x25	24,5	720,0	1245
0511316	4x25	27,7	960,0	1661
0511317	5x25	30,8	1200,0	2099
0511318	3x35	29,8	1008,0	1664
0511319	4x35	33,7	1344,0	2210
0511320	5x35	37,7	1680,0	2765
0511321	3x50	33,8	1440,0	2678
0511322	4x50	38,0	1920,0	3087
0511323	5x50	42,1	2400,0	4133
0511324	3x70	40,2	2016,0	3339
0511325	4x70	44,2	2688,0	4295
0511326	5x70	48,5	3360,0	5715
0511327	3x95	46,6	2736,0	4914
0511328	4x95	51,2	3648,0	5817
0511329	5x95	56,3	4560,0	7278
0511330	3x120	49,8	3456,0	5515
0511331	4x120	54,8	4608,0	7350