

JZ-500 HMH

flexible, halogen-free, oil resistant¹⁾, meter marking



HELUKABEL® JZ-500 HMH 25G1 QMM / 11252 300/500 V halogen-free CE

Technical data

- Halogen-free flexible cable adapted to
DIN VDE 0285-525-2-51 /
DIN EN 50525-2-51 and
DIN VDE 0285-525-3-11 /
DIN EN 50525-3-11
- **Temperature range**
flexing -15°C to +70°C
fixed installation -40°C to +70°C
- **Nominal voltage**
U₀/U 300/500 V
- **Test voltage**
4000 V
- **Minimum bending radius**
flexing 12,5x outer Ø
fixed installation 4x outer Ø

Cable structure

- Bare copper conductor, fine wire acc. to
DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation of halogen-free polymer compound type T16 acc. to
DIN VDE 0207-363-7 / DIN EN 50363-7
- Core identification to DIN VDE 0293
black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal lay length
- Outer sheath of halogen-free polymer compound type TM7 acc. to
DIN VDE 0207-363-8 / DIN EN 50363-8
- Sheath colour: grey (RAL 7001)
- With meter marking
- **LSOH** = Low Smoke Zero Halogen

Properties

- ¹⁾ We recommend you for critical applications a consultation
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Tests

- Flame test acc. to
DIN VDE 0482-332-3-24 /
DIN EN 60332-3-24 / IEC 60332-3-24
- Flame retardant acc. to
DIN VDE 0482-332-1-2 /
DIN EN 60332-1-2 / IEC 60332-1-2
- Corrosiveness of combustion gases acc. to
DIN VDE 0482-754-2 /
DIN EN 60754-2 / IEC 60754-2
- Halogen-free acc. to
DIN VDE 0482-754-1 /
DIN EN 60754-1 / IEC 60754-1
- Smoke density acc. to
DIN VDE 0482-1034-1+2 /
DIN EN 61034-1+2 / IEC 61034-1+2

Note

- G = with GN-YE conductor
x = without GN-YE conductor (OZ)
- Please note "cleanroom qualified" when ordering.
- The conductor is metrically constructed (mm²). The AWG designation is approximate and purely informative.
- Screened analogue type:
JZ-500 HMH-C

Application

Connecting and control cable in tool machinery, conveyor belts, production lines, in plant, in air-conditioning, in foundries and steel mills. For fixed installation or flexible application, casual, not constantly recurring free movement without forced motion and without tensile stress, for medium mechanical stress. The cable is suitable for use in dry, damp and wet locations and on plaster.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11201	2 x 0,5	4,8	9,6	43,0	20
11202	3 G 0,5	5,1	14,4	50,0	20
11332	3 x 0,5	5,1	14,4	50,0	20
11203	4 G 0,5	5,5	19,0	60,0	20
11333	4 x 0,5	5,5	19,0	60,0	20
11204	5 G 0,5	6,2	24,0	71,0	20
11334	5 x 0,5	6,2	24,0	71,0	20
11205	7 G 0,5	6,7	33,6	84,0	20
11206	8 G 0,5	7,4	38,0	101,0	20
11207	10 G 0,5	8,0	48,0	121,0	20
11208	12 G 0,5	9,0	58,0	142,0	20
11209	16 G 0,5	10,0	76,0	183,0	20

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11210	18 G 0,5	10,7	86,0	204,0	20
11211	20 G 0,5	11,3	96,0	227,0	20
11212	25 G 0,5	12,6	120,0	283,0	20
11213	30 G 0,5	13,5	144,0	324,0	20
11214	34 G 0,5	14,7	163,0	367,0	20
11215	37 G 0,5	14,7	178,0	381,0	20
11216	41 G 0,5	15,8	197,0	417,0	20
11217	42 G 0,5	15,8	202,0	454,0	20
11218	50 G 0,5	17,3	240,0	519,0	20
11219	61 G 0,5	18,5	293,0	635,0	20
11220	65 G 0,5	19,2	312,0	694,0	20

Continuation ▶

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Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11221	2 x 0,75	5,3	14,4	47,0	19	11277	2 x 2,5	7,8	48,0	118,0	14
11222	3 G 0,75	5,6	21,6	56,0	19	11278	3 G 2,5	8,3	72,0	151,0	14
11335	3 x 0,75	5,6	21,6	56,0	19	11279	4 G 2,5	9,2	96,0	181,0	14
11223	4 G 0,75	6,3	29,0	69,0	19	11280	5 G 2,5	10,1	120,0	224,0	14
11336	4 x 0,75	6,3	29,0	69,0	19	11281	7 G 2,5	11,2	168,0	316,0	14
11224	5 G 0,75	6,9	36,0	83,0	19	11282	8 G 2,5	12,3	192,0	370,0	14
11337	5 x 0,75	6,9	36,0	83,0	19	11283	10 G 2,5	13,5	240,0	451,0	14
11225	7 G 0,75	7,7	50,0	114,0	19	11284	12 G 2,5	15,1	288,0	499,0	14
11338	7 x 0,75	7,7	50,0	114,0	19	11285	16 G 2,5	17,1	384,0	720,0	14
11226	8 G 0,75	8,3	58,0	136,0	19	11286	18 G 2,5	18,2	432,0	769,0	14
11227	10 G 0,75	9,1	72,0	172,0	19	11287	20 G 2,5	19,4	480,0	911,0	14
11228	12 G 0,75	10,0	86,0	183,0	19	11288	25 G 2,5	21,6	600,0	1047,0	14
11229	16 G 0,75	11,4	115,0	241,0	19	11289	30 G 2,5	23,0	720,0	1280,0	14
11230	18 G 0,75	12,2	130,0	266,0	19	11290	2 x 4	9,2	77,0	199,0	12
11231	20 G 0,75	12,8	144,0	291,0	19	11291	3 G 4	9,7	115,0	247,0	12
11232	25 G 0,75	14,3	180,0	374,0	19	11292	4 G 4	10,8	154,0	299,0	12
11233	30 G 0,75	15,3	216,0	450,0	19	11293	5 G 4	12,1	192,0	369,0	12
11234	34 G 0,75	16,7	245,0	517,0	19	11294	7 G 4	13,4	269,0	463,0	12
11235	37 G 0,75	16,7	260,0	541,0	19	11295	8 G 4	14,7	307,0	601,0	12
11236	41 G 0,75	18,1	296,0	611,0	19	11296	10 G 4	15,8	384,0	698,0	12
11237	42 G 0,75	18,1	302,0	621,0	19	11297	12 G 4	18,0	461,0	790,0	12
11238	50 G 0,75	19,8	360,0	742,0	19	11298	16 G 4	20,5	614,0	1130,0	12
11239	61 G 0,75	21,2	439,0	853,0	19	11299	18 G 4	21,6	691,0	1280,0	12
11240	65 G 0,75	22,0	468,0	909,0	19	11300	2 x 6	11,0	115,0	266,0	10
11017876	100 G 0,75	26,8	720,0	1220,0	19	11301	3 G 6	11,9	173,0	360,0	10
11241	2 x 1	5,6	19,2	63,0	18	11302	4 G 6	13,0	230,0	429,0	10
11242	3 G 1	6,1	29,0	74,0	18	11303	5 G 6	14,7	288,0	529,0	10
11339	3 x 1	6,1	29,0	74,0	18	11304	7 G 6	16,2	403,0	631,0	10
11243	4 G 1	6,6	38,4	90,0	18	11305	2 x 10	13,8	192,0	440,0	8
11340	4 x 1	6,6	38,4	90,0	18	11306	3 G 10	14,8	288,0	550,0	8
11244	5 G 1	7,5	48,0	109,0	18	11307	4 G 10	16,4	384,0	708,0	8
11007669	5 x 1	7,5	48,0	109,0	18	11308	5 G 10	18,3	480,0	862,0	8
11245	7 G 1	8,1	67,0	151,0	18	11309	7 G 10	20,2	672,0	1124,0	8
11246	8 G 1	9,0	77,0	184,0	18	11310	2 x 16	17,6	307,0	642,0	6
11247	10 G 1	9,6	96,0	224,0	18	11311	3 G 16	18,6	461,0	830,0	6
11248	12 G 1	10,8	115,0	243,0	18	11312	4 G 16	20,6	614,0	1060,0	6
11249	16 G 1	12,3	154,0	314,0	18	11313	5 G 16	22,8	768,0	1270,0	6
11250	18 G 1	12,9	173,0	361,0	18	11314	7 G 16	25,2	1075,0	1794,0	6
11251	20 G 1	13,8	192,0	387,0	18	11315	3 G 25	22,6	720,0	1190,0	4
11252	25 G 1	15,4	240,0	496,0	18	11316	4 G 25	25,1	960,0	1594,0	4
11253	34 G 1	17,9	326,0	670,0	18	11317	5 G 25	27,9	1200,0	2014,0	4
11254	37 G 1	17,9	355,0	713,0	18	11318	3 G 35	26,0	1008,0	1590,0	2
11255	41 G 1	19,4	394,0	784,0	18	11319	4 G 35	28,8	1344,0	2200,0	2
11256	42 G 1	19,4	403,0	824,0	18	11320	5 G 35	32,3	1680,0	2693,0	2
11257	50 G 1	21,3	480,0	952,0	18	11321	3 G 50	30,9	1440,0	2571,0	1
11258	61 G 1	22,7	586,0	1140,0	18	11322	4 G 50	34,2	1920,0	3087,0	1
11259	65 G 1	23,6	628,0	1201,0	18	11328	4 G 95	46,0	3648,0	5590,0	3/0
11260	2 x 1,5	6,4	29,0	70,0	16	11323	5 G 50	38,3	2400,0	3980,0	1
11261	3 G 1,5	6,8	43,0	94,0	16	11324	3 G 70	36,0	2016,0	3207,0	2/0
11341	3 x 1,5	6,8	43,0	94,0	16	11325	4 G 70	40,0	2688,0	4077,0	2/0
11262	4 G 1,5	7,6	58,0	112,0	16	11326	5 G 70	44,7	3360,0	5501,0	2/0
11263	5 G 1,5	8,3	72,0	141,0	16	11327	3 G 95	41,5	2736,0	4708,0	3/0
11264	7 G 1,5	9,2	101,0	191,0	16	11329	5 G 95	51,5	4560,0	6972,0	3/0
11265	8 G 1,5	9,9	115,0	224,0	16	11330	3 G 120	46,0	3456,0	5515,0	4/0
11266	10 G 1,5	10,9	144,0	282,0	16	11331	4 G 120	51,1	4608,0	7100,0	4/0
11267	12 G 1,5	12,2	173,0	311,0	16						
11268	16 G 1,5	13,9	230,0	392,0	16						
11269	18 G 1,5	14,8	259,0	450,0	16						
11270	20 G 1,5	15,6	288,0	497,0	16						
11271	25 G 1,5	17,6	360,0	630,0	16						
11272	34 G 1,5	20,2	490,0	842,0	16						
11273	37 G 1,5	20,2	533,0	897,0	16						
11274	50 G 1,5	24,2	720,0	1277,0	16						
11275	61 G 1,5	25,8	878,0	1460,0	16						
11276	65 G 1,5	26,7	936,0	1612,0	16						

Dimensions and specifications may be changed without prior notice. (RA03)