JZ-600 HMH-C

flexible, halogen-free, oil resistant[1], 0,6/1 kV, screened, meter marking, EMC-preferred type

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 -40°C to +70°C
- **Nominal voltage**
  U_0/U 0.6/1 kV
- **Test voltage**
  4000 V
- **Coupling resistance**
  max. 250 Ohm/km
- **Minimum bending radius**
  flexing 15x outer Ø
  fixed installation 7,5x 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 TI6 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
- Inner sheath
- Tinned copper braided screen, approx. 85% coverage
- Outer sheath of halogen-free polymer compound type TM7 acc. to DIN VDE 0207-363-8 / DIN EN 50363-8
- Sheath colour: black (RAL 9005)
- With meter marking
- **LS0H** = 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
- The conductor is metrically constructed (mm²). The AWG designation is approximate and purely informative.
- Unscreened analogue type: **JZ-600 HMH**

Application

Connecting and control cable in machine tools, conveyor belts, production lines as well as in plant installations, in heating and air-conditioning systems and steel production works. For fixed installation or flexible application, directed without forcing by casual, constantly recurring free movements and without tensile stress, for medium mechanical strain. This cable is suitable for the application in dry, damp and wet environments, outdoors (fixed installation) and for laying on plaster. The dense screening assures interference-free transmission of all signals and impulses.

EMC = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

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

Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
12850	3 G 0,5	8,7	45,0	150,0	20
12851	4 G 0,5	9,4	54,0	170,0	20
12852	5 G 0,5	10,0	66,0	199,0	20
12853	7 G 0,5	10,8	79,0	235,0	20
12854	12 G 0,5	14,1	137,0	320,0	20
12855	18 G 0,5	16,0	156,0	428,0	20
12856	25 G 0,5	18,7	250,0	503,0	20

Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
12857	3 G 0,75	9,4	57,0	155,0	19
12858	4 G 0,75	10,0	63,0	190,0	19
12859	5 G 0,75	10,9	76,0	228,0	19
12860	7 G 0,75	11,6	100,0	323,0	19
12861	12 G 0,75	15,3	175,0	410,0	19
12862	18 G 0,75	17,5	240,0	560,0	19
12863	25 G 0,75	20,6	306,0	730,0	19

Continuation ▸

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Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
12864	3 G 1	9,7	64,0	163,0	18
12865	4 G 1	10,6	76,0	200,0	18
12866	5 G 1	11,3	89,0	239,0	18
12867	7 G 1	12,4	114,0	289,0	18
12868	12 G 1	15,9	186,0	464,0	18
12869	18 G 1	18,4	284,0	628,0	18
12870	25 G 1	21,7	387,0	855,0	18
12871	3 G 1,5	11,0	82,0	187,0	16
12872	4 G 1,5	11,8	99,0	240,0	16
12873	5 G 1,5	13,0	123,0	289,0	16
12874	7 G 1,5	14,3	148,0	383,0	16
12875	12 G 1,5	18,6	274,0	592,0	16
12876	18 G 1,5	21,7	386,0	806,0	16
12877	25 G 1,5	25,3	531,0	1241,0	16
11007188	30 G 1,5	26,8	561,0	1174,0	16
11007189	36 G 1,5	29,3	659,0	1383,0	16
12878	3 G 2,5	12,7	148,0	298,0	14
12879	4 G 2,5	14,0	169,0	345,0	14
12880	5 G 2,5	15,2	220,0	427,0	14
12881	7 G 2,5	16,5	284,0	561,0	14
12882	12 G 2,5	21,7	470,0	857,0	14
12883	18 G 2,5	25,5	572,0	1355,0	14
12884	25 G 2,5	29,9	740,0	1995,0	14

Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
12885	3 G 4	14,4	178,0	391,0	12
12886	4 G 4	15,7	234,0	527,0	12
12887	5 G 4	17,1	284,0	700,0	12
12888	3 G 6	16,1	245,0	629,0	10
12889	4 G 6	17,5	316,0	731,0	10
12890	5 G 6	19,1	442,0	1105,0	10
12891	3 G 10	19,9	367,0	1125,0	8
12892	4 G 10	21,7	549,0	1345,0	8
12893	5 G 10	23,9	604,0	1635,0	8
12894	4 G 16	26,5	807,0	1395,0	6
12895	5 G 16	29,4	940,0	1870,0	6
12896	7 G 16	32,1	1345,0	2720,0	6
12897	3 G 25	29,2	920,0	2465,0	4
12898	4 G 25	32,3	1169,0	2750,0	4
12899	5 G 25	35,4	1420,0	3490,0	4
12900	3 G 35	31,9	1250,0	3230,0	2
12901	4 G 35	35,3	1680,0	4100,0	2
12902	5 G 35	38,7	2020,0	4950,0	2
12903	4 G 50	41,1	2370,0	5780,0	1
12904	4 G 70	46,0	3257,0	7480,0	2/0
12905	4 G 95	51,7	4060,0	10220,0	3/0
12906	4 G 120	56,3	5231,0	13750,0	4/0
12907	4 G 150	62,2	6794,0	15900,0	4/0

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