JZ-500 HMH / OZ-500 HMH

highly flame-retardant



TECHNICAL DATA

Control and connection cable in alignment with DIN VDE 0285-525-2-51 / DIN EN 50525-2-51, DIN VDE 0285-525-3-11 / DIN EN 50525-3-11

Temperature range	flexible -25°C to +70°C fixed -40°C to +70°C
Nominal voltage	AC U_0/U 300/500 V
Test voltage core/core	4000 V
Minimum bending radius	flexible 12.5x Outer-Ø fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: halogen-free polymer acc. to DIN VDE 0207-363-7 / DIN EN 50363-7 (compound type TI6)
- Core identification acc. to DIN VDE 0293-334, black cores with consecutive labeling in white digits
- Protective conductor: starting with 3 cores, G = with protective conductor GN-YE, in the outer layer (JZ), x = without protective conductor (OZ)
- Cores stranded in layers with optimal lay lengths
- Outer sheath: halogen-free polymer acc. to DIN VDE 0207-363-8 / DIN EN 50363-8 (compound type TM7)
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- largely resistant to: oil
- halogen-free
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- corrosiveness of combustion gases acc. to DIN VDE 0482-754-2 / DIN EN 60754-2 / IEC 60754-2
- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- bundle fire test acc. to DIN VDE 0482-332-3-24 / DIN EN 60332-3-24 / IEC 60332-3-24
- smoke density acc. to DIN VDE 0482-1034-1+2 / DIN EN 61034-1+2 / IEC 61034-1+2
- certifications and approvals: EAC

APPLICATION

Control und connection cable in tool machinery, conveyor belts, production lines, plant construction, in air-conditioning devices, in metallurgical, steel and rolling mills. For fixed installation and flexible applications with occasional, not constantly recurring free movement without forced motion, without tensile stress and for medium mechanical stress. The cable is suitable for use in dry, damp and wet locations and on plaster.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- please note "cleanroom qualification" in your order

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11201	2 x 0.5	20	4.8	9.6	43.0
11202	3 G 0.5	20	5.1	14.4	50.0
11332	3 x 0.5	20	5.1	14.4	50.0
11203	4 G 0.5	20	5.5	19.0	60.0
11333	4 x 0.5	20	5.5	19.0	60.0
11204	5 G 0.5	20	6.2	24.0	71.0
11334	5 x 0.5	20	6.2	24.0	71.0
11205	7 G 0.5	20	6.7	33.6	84.0
11206	8 G 0.5	20	7.4	38.0	101.0
11207	10 G 0.5	20	8.6	48.0	121.0
11208	12 G 0.5	20	9.1	58.0	142.0
11209	16 G 0.5	20	10.0	76.0	183.0
11210	18 G 0.5	20	10.7	86.0	204.0
11211	20 G 0.5	20	11.3	96.0	227.0
11212	25 G 0.5	20	12.6	120.0	283.0
11213	30 G 0.5	20	13.5	144.0	324.0
11214	34 G 0.5	20	14.7	163.0	367.0
11215	37 G 0.5	20	14.7	178.0	381.0
11216	41 G 0.5	20	15.8	197.0	417.0
11217	42 G 0.5	20	15.8	202.0	454.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11218	50 G 0.5	20	17.3	240.0	519.0
11219	61 G 0.5	20	18.5	293.0	635.0
11220	65 G 0.5	20	19.8	312.0	694.0
11221	2 x 0.75	19	5.3	14.4	47.0
11222	3 G 0.75	19	5.6	21.6	56.0
11335	3 x 0.75	19	5.6	21.6	56.0
11223	4 G 0.75	19	6.3	29.0	69.0
11336	4 x 0.75	19	6.3	29.0	69.0
11224	5 G 0.75	19	6.9	36.0	83.0
11337	5 x 0.75	19	6.9	36.0	83.0
11225	7 G 0.75	19	7.7	50.0	114.0
11338	7 x 0.75	19	7.7	50.0	114.0
11226	8 G 0.75	19	8.3	58.0	136.0
11227	10 G 0.75	19	9.8	72.0	172.0
11228	12 G 0.75	19	10.1	86.0	183.0
11229	16 G 0.75	19	11.4	115.0	241.0
11230	18 G 0.75	19	12.2	130.0	266.0
11231	20 G 0.75	19	12.8	144.0	291.0
11232	25 G 0.75	19	14.3	180.0	374.0
11233	30 G 0.75	19	15.3	216.0	450.0

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Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11234	34 G 0.75	19	16.7	245.0	517.0
11235	37 G 0.75	19	16.7	260.0	541.0
11236	41 G 0.75	19	18.2	296.0	611.0
11237	42 G 0.75	19	18.2	302.0	621.0
11238	50 G 0.75	19	19.8	360.0	742.0
11239	61 G 0.75	19	21.2	439.0	853.0
11240	65 G 0.75	19	22.6	468.0	909.0
11017876	100 G 0.75	19	27.5	720.0	1220.0
11241	2 x 1	18	5.6	19.2	63.0
11242	3 G 1	18	6.1	29.0	74.0
11339	3 x 1	18	6.1	29.0	74.0
11243	4 G 1	18	6.7	38.4	90.0
11340	4 x 1	18	6.7	38.4	90.0
11244	5 G 1	18	7.5	48.0	109.0
11007669	5 x 1	18	7.5	48.0	109.0
11245	7 G 1	18	8.1	67.0	151.0
11246	8 G 1	18	9.0	77.0	184.0
11247	10 G 1	18	10.6	96.0	224.0
11248	12 G 1	18	10.9	115.0	243.0
11249	16 G 1	18	12.3	154.0	314.0
11250	18 G 1	18	12.9	173.0	361.0
11251	20 G 1	18	13.8	192.0	387.0
11252	25 G 1	18	15.4	240.0	496.0
11253	34 G 1	18	17.9	326.0	670.0
11254	37 G 1	18	17.9	355.0	713.0
11255	41 G 1	18	19.5	394.0	784.0
11256	42 G 1	18	19.5	403.0	824.0
11257	50 G 1	18	21.3	480.0	952.0
11258	61 G 1	18	22.7	586.0	1140.0
11259	65 G 1	18	24.3	628.0	1201.0
11260	2 x 1.5	16	6.4	29.0	70.0
11261	3 G 1.5	16	6.8	43.0	94.0
11341	3 x 1.5	16	6.8	43.0	94.0
11262	4 G 1.5	16	7.6	58.0	112.0
11263	5 G 1.5	16	8.3	72.0	141.0
11264	7 G 1.5	16	9.2	101.0	191.0
11265	8 G 1.5	16	9.9	115.0	224.0
11266	10 G 1.5	16	12.0	144.0	282.0
11267	12 G 1.5	16	12.4	173.0	311.0
11268	16 G 1.5	16	13.9	230.0	392.0
11269	18 G 1.5	16	14.8	259.0	450.0
11270	20 G 1.5	16	15.6	288.0	497.0
11271	25 G 1.5	16	17.6	360.0	630.0
11272	34 G 1.5	16	20.2	490.0	842.0
11273	37 G 1.5	16	20.2	533.0	897.0
11274	50 G 1.5	16	24.2	720.0	1277.0
11275	61 G 1.5	16	25.8	878.0	1460.0
11276	65 G 1.5	16	27.8	936.0	1612.0
11277	2 x 2.5	14	7.8	48.0	118.0
11278	3 G 2.5	14	8.3	72.0	151.0
11279	4 G 2.5	14	9.3	96.0	181.0
11280	5 G 2.5	14	10.1	120.0	224.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11281	7 G 2.5	14	11.2	168.0	316.0
11282	8 G 2.5	14	12.3	192.0	370.0
11283	10 G 2.5	14	14.8	240.0	451.0
11284	12 G 2.5	14	15.3	288.0	499.0
11285	16 G 2.5	14	17.1	384.0	720.0
11286	18 G 2.5	14	18.2	432.0	769.0
11287	20 G 2.5	14	19.4	480.0	911.0
11288	25 G 2.5	14	21.6	600.0	1047.0
11289	30 G 2.5	14	23.0	720.0	1280.0
11290	2 x 4	12	9.2	77.0	199.0
11291	3 G 4	12	9.8	115.0	247.0
11292	4 G 4	12	10.9	154.0	299.0
11293	5 G 4	12	12.1	192.0	369.0
11294	7 G 4	12	13.4	269.0	463.0
11295	8 G 4	12	14.7	307.0	601.0
11296	10 G 4	12	17.6	384.0	698.0
11297	12 G 4	12	18.2	461.0	790.0
11298	16 G 4	12	20.5	614.0	1130.0
11299	18 G 4	12	21.6	691.0	1280.0
11300	2 x 6	10	11.0	115.0	266.0
11301	3 G 6	10	11.9	173.0	360.0
11302	4 G 6	10	13.2	230.0	429.0
11303	5 G 6	10	14.7	288.0	529.0
11304	7 G 6	10	16.2	403.0	631.0
11305	2 x 10	8	13.8	192.0	440.0
11306	3 G 10	8	14.9	288.0	550.0
11307	4 G 10	8	16.6	384.0	708.0
11308	5 G 10	8	18.3	480.0	862.0
11309	7 G 10	8	20.2	672.0	1124.0
11310	2 x 16	6	17.6	307.0	642.0
11311	3 G 16	6	18.7	461.0	830.0
11312	4 G 16	6	20.8	614.0	1060.0
11313	5 G 16	6	22.8	768.0	1270.0
11314	7 G 16	6	25.2	1075.0	1794.0
11315	3 G 25	4	22.7	720.0	1190.0
11316	4 G 25	4	25.2	960.0	1594.0
11317	5 G 25	4	27.9	1200.0	2014.0
11318	3 G 35	2	26.3	1008.0	1590.0
11319	4 G 35	2	29.2	1344.0	2200.0
11320	5 G 35	2	32.3	1680.0	2693.0
11321	3 G 50	1	31.0	1440.0	2571.0
11322	4 G 50	1	34.4	1920.0	3087.0
11323	5 G 50	1	38.3	2400.0	3980.0
11324	3 G 70	2/0	36.2	2016.0	3207.0
11325	4 G 70	2/0	40.3	2688.0	4077.0
11326	5 G 70	2/0	44.7	3360.0	5501.0
11327	3 G 95	3/0	41.7	2736.0	4708.0
11328	4 G 95	3/0	46.4	3648.0	5590.0
11329	5 G 95	3/0	51.5	4560.0	6972.0
11330	3 G 120	4/0	46.2	3456.0	5515.0
11331	4 G 120	4/0	51.4	4608.0	7100.0

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