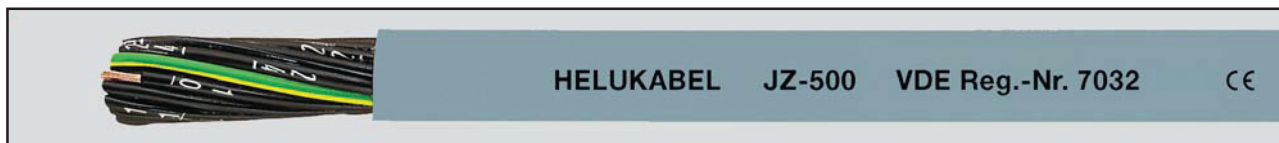


Control Cable JZ-500

Flexible • Number coded • Oil resistant • 80° C / 500 V



HELUKABEL JZ-500 VDE Reg.-Nr. 7032



CE = The product conforms to the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC

TECHNICAL DATA	CABLE CONSTRUCTION	APPLICATIONS
<ul style="list-style-type: none"> Special PVC control cable Requirements adapted to DIN VDE 0245, 0281, 0293, 0295 Temperature range Flexing -5° C to +80° C Stationary -40° C to +80° C Nominal voltage U₀/ U 300/ 500 V Test voltage 4000 V Minimum bending radius stationary installation 7.5 x cable Ø Insulation resistance min. 20 MOhm x km Radiation resistance up to 80 x 10⁶ cJ/kg (up to 80 Mrad) 	<ul style="list-style-type: none"> Bare copper, fine wire stranding, per DIN VDE 0295 cl. 5 IEC 60228. Special PVC conductor insulation. Conductors cable. Black conductors printed with white numbers per DIN VDE 0293. Green/yellow ground conductor. Special grey PVC outer jacket. Oil and chemical resistant. PVC flame retardant and self-extinguishing, test method B according to VDE 0472 part 804 and IEC 60332-1. <p>*Available with red or blue conductors.</p>	<p>JZ cables are used as measuring and control cables in machine tools, conveyors, production lines, air conditioning and steel production.</p> <ul style="list-style-type: none"> The conductors are numbered 3/4" on center, making identification easy. The numbers are underlined to avoid confusion. The ground conductor is located in the outer layer. Not suitable for outdoor use. Suitable for wet and dry environments. Cleanroom certified per US Standard 209E, ISO 14644-1 or VDI 2083.

Part Number	No. Cond. x cross sec. (mm ²)	Nominal O.D. (in) (mm)	Cop. Wt. (kg/km)	Approx. Weight (kg/km) (lbs/mft)
20 AWG = 0.5 mm²				
10001 OZ	2x0.5	.19 4.8	9.6	40 27
10002	3G0.5	.20 5.1	14.4	46 31
10003 OZ	3x0.5	.20 5.1	14.4	46 31
10004	4G0.5	.22 5.7	19.0	56 38
10005 OZ	4x0.5	.22 5.7	19.0	56 38
10006	5G0.5	.24 6.2	24.0	65 44
10007 OZ	5x0.5	.24 6.2	24.0	65 44
10008	6G0.5	.26 6.7	29.0	75 50
10009	7G0.5	.29 7.4	33.6	80 54
10010 OZ	7x0.5	.29 7.4	33.6	80 54
10011	8G0.5	.31 8.0	38.0	97 65
10172 OZ	8x0.5	.31 8.0	38.0	97 65
10012	10G0.5	.35 8.8	48.0	116 78
10013	12G0.5	.36 9.1	58.0	135 91
10014 OZ	12x0.5	.36 9.1	58.0	135 91
10015	14G0.5	.37 9.5	67.0	150 101
10183	16G0.5	.39 10.0	76.0	175 117
10016	18G0.5	.42 10.7	86.0	196 131
10017	20G0.5	.44 11.2	96.0	215 144
10018	21G0.5	.46 11.8	101.0	240 161
10019	25G0.5	.51 13.0	120.0	270 181
10020	30G0.5	.53 13.5	144.0	310 208
10021	32G0.5	.55 14.0	154.0	323 217
10022	34G0.5	.57 14.5	163.0	362 243
10023	40G0.5	.62 15.8	192.0	434 291
10024	42G0.5	.62 15.8	202.0	449 301
10025	50G0.5	.68 17.3	240.0	513 344
10169	52G0.5	.68 17.3	252.0	534 358
10026	61G0.5	.76 19.4	293.0	625 419
10027	65G0.5	.76 19.4	312.0	682 457
10028	80G0.5	.84 21.3	384.0	780 523
10029	100G0.5	.93 23.7	480.0	980 657
18 AWG = 0.75 mm²				
10030 OZ	2x0.75	.20 5.2	14.4	46 31
10031	3G0.75	.22 5.5	21.6	54 36
10032 OZ	3x0.75	.22 5.5	21.6	54 36
10033	4G0.75	.24 6.2	29.0	66 44
10034 OZ	4x0.75	.24 6.2	29.0	66 44
10035	5G0.75	.27 6.8	36.0	80 54
10036 OZ	5x0.75	.27 6.8	36.0	80 54
10037	6G0.75	.30 7.5	43.0	99 66
10177 OZ	6x0.75	.30 7.5	43.0	99 66
10038	7G0.75	.32 8.1	50.0	110 74

Part Number	No. Cond. x cross sec. (mm ²)	Nominal O.D. (in) (mm)	Cop. Wt. (kg/km)	Approx. Weight (kg/km) (lbs/mft)
18 AWG = 0.75 mm²				
10039 OZ	7x0.75	.32 8.1	50.0	110 74
10040	8G0.75	.35 8.9	58.0	130 87
10173 OZ	8x0.75	.35 8.9	58.0	130 87
10041	9G0.75	.37 9.5	65.0	153 103
10042	10G0.75	.38 9.6	72.0	162 109
10043	12G0.75	.39 9.9	86.0	179 120
10044 OZ	12x0.75	.39 9.9	86.0	179 120
10045	14G0.75	.42 10.6	101.0	214 144
10046	15G0.75	.44 11.2	108.0	218 146
10047	18G0.75	.47 11.9	130.0	257 172
10533	19G0.75	.48 12.3	137.0	264 178
10048	20G0.75	.50 12.6	144.0	286 192
10049	21G0.75	.52 13.3	151.0	320 215
10050	25G0.75	.57 14.5	180.0	365 245
10534	27G0.75	.60 15.2	195.0	382 256
10051	32G0.75	.61 15.6	230.0	455 305
10052	34G0.75	.65 16.4	245.0	510 342
10182	37G0.75	.68 17.2	260.0	537 360
10053	40G0.75	.69 17.6	288.0	595 399
10054	41G0.75	.69 17.6	296.0	607 407
10055	42G0.75	.69 17.6	302.0	612 410
10056	50G0.75	.78 19.8	360.0	735 493
10057	61G0.75	.82 20.9	439.0	845 567
10178	65G0.75	.85 21.5	468.0	895 600
10058	80G0.75	.93 23.6	576.0	1070 718
10059	100G0.75	1.07 27.2	720.0	1322 887
17 AWG = 1mm²				
10060 OZ	2x1	.22 5.5	19.2	60 40
10061	3G1	.24 6.0	29.0	72 48
10062 OZ	3x1	.24 6.0	29.0	72 48
10063	4G1	.26 6.6	38.4	86 58
10064 OZ	4x1	.26 6.6	38.4	86 58
10065	5G1	.28 7.2	48.0	104 70
10066 OZ	5x1	.28 7.2	48.0	104 70
10067	6G1	.31 8.0	58.0	125 84
10068	7G1	.34 8.6	67.0	141 95
10069 OZ	7x1	.34 8.6	67.0	141 95
10070	8G1	.37 9.4	77.0	175 117
10071	9G1	.40 10.1	86.0	200 134
10180	10G1	.41 10.4	96.0	217 146
10170 OZ	10x1	.41 10.4	96.0	217 146
10072	12G1	.42 10.7	115.0	230 154
10073 OZ	12x1	.42 10.7	115.0	230 154

NOTES:

- * Available also with red or blue conductors (Special Order)
- For shielded Control cable see F-CY-JZ on pages 15 & 16
- OZ = Without ground conductor
- G = Number of conductors includes ground
- x = Without green-yellow ground conductor

- Further sizes and configurations available upon request
- Call with applications which are beyond standard specifications
- AWG sizes approximate. Actual cross sections in mm². See page 96.

Dimensions and specifications may be changed without prior notice.

Continued on next page