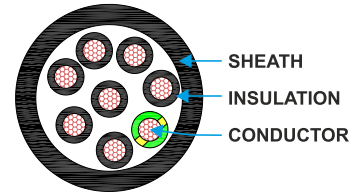




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Application

These cables are used for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air, as measuring and control cables in tool machines, conveyor belts, production lines in machinery production, in air-conditioning and in steel production. The grounding is laid in the outer layer. Selected PVC-compounds guarantee a good flexibility as well as an economic and fast installation.
CE The product is conformed with the EC low-voltage directive 73/23/EEC and 93/68/EEC.

Properties

- Extensively oil resistant
- For chemical resistance, see table technical information
- PVC self-extinguishing and flame retardant according to DIN VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers substances harmful to the wetting properties of lacquers

Construction

- Bare copper, fine wire conductors according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Conductor insulation of special PVC Z 7225
- Black conductors with continuous white numbering according to DIN VDE 0293 (also available with other conductor colours)
- Green-yellow grounding in the outer layer (3 conductors and above)
- Conductors stranded in layers with optimal lay-length
- Outer jacket of special PVC, TM2 to DIN VDE 0281 part 1 and HD 21.1
- Color : Grey (RAL 7001)

Technical Parameter

- Control cables, special PVC
- Requirements adapted to DIN VDE 0245, 0281, 0293, 0295
- Temperature range : Flexing -5°C to +80°C, fixed installation -40°C to +80°C
- Nominal voltage : U0/U 300/500 V
- Test voltage : 4000 V
- Breakdown voltage : Min. 8000 V
- Insulation resistance : Min. 20 Mohm x km
- Minimum bending radius : Flexing 7.5 x cable dia, fixed installation 4 x cable dia
- Radiation resistance : Up to 80x10⁶ cJ/kg (up to 80 Mrad)



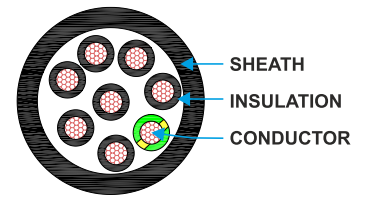
Cable Design Parameters

Part No.	Description & No. Conductors x cross-sec.	Outer Diameter	Weight Cable
	mm ²	mm	kg/km
0813B020005	JZ-500 2X0.5	4.9	40
0813B030005X	JZ-500 3G0.5	5.2	46
0813B030005	JZ-500 3X0.5	5.2	46
0813B040005X	JZ-500 4G0.5	5.6	56
0813B040005	JZ-500 4X0.5	5.6	56
0813B050005X	JZ-500 5G0.5	6.3	65
0813B050005	JZ-500 5X0.5	6.3	65
0813B060005X	JZ-500 6G0.5	6.9	75
0813B070005X	JZ-500 7G0.5	6.9	80
0813B070005	JZ-500 7X0.5	6.9	80
0813B080005X	JZ-500 8G0.5	7.4	97
0813B080005	JZ-500 8X0.5	7.4	97
0813B100005X	JZ-500 10G0.5	8.3	116
0813B120005X	JZ-500 12G0.5	8.8	135
0813B120005	JZ-500 12X0.5	8.8	135
0813B140005X	JZ-500 14G0.5	9.7	150
0813B160005X	JZ-500 16G0.5	10.2	175
0813B180005X	JZ-500 18G0.5	11.0	196
0813B200005X	JZ-500 20G0.5	11.5	215
0813B210005X	JZ-500 21G0.5	11.5	240
0813B250005X	JZ-500 25G0.5	12.9	270
0813B300005X	JZ-500 30G0.5	13.8	310
0813B320005X	JZ-500 32G0.5	14.3	323
0813B340005X	JZ-500 34G0.5	15.6	362
0813B400005X	JZ-500 40G0.5	16.3	434
0813B420005X	JZ-500 42G0.5	16.1	449
0813B500005X	JZ-500 50G0.5	17.9	513
0813B020007	JZ-500 2X0.75	5.3	46
0813B030007X	JZ-500 3G0.75	5.6	54



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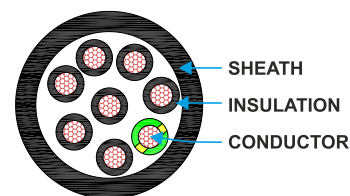
Cable Design Parameters

Part No.	Description & No. Conductors x cross-sec. mm ²	Outer Diameter mm	Weight Cable kg/km
	0813B030007	JZ-500 3X0.75	5.6
0813B040007X	JZ-500 4G0.75	6.3	66
0813B040007	JZ-500 4X0.75	6.3	66
0813B050007X	JZ-500 5G0.75	6.9	80
0813B050007	JZ-500 5X0.75	6.9	80
0813B060007X	JZ-500 6G0.75	7.5	99
0813B060007	JZ-500 6X0.75	7.5	99
0813B070007X	JZ-500 7G0.75	7.5	110
0813B070007	JZ-500 7X0.75	7.5	110
0813B080007X	JZ-500 8G0.75	8.2	130
0813B080007	JZ-500 8X0.75	8.2	130
0813B090007X	JZ-500 9G0.75	8.8	153
0813B100007	JZ-500 10X0.75	9.2	162
0813B120007X	JZ-500 12G0.75	9.8	179
0813B120007	JZ-500 12X0.75	9.8	179
0813B140007X	JZ-500 14G0.75	10.6	214
0813B150007X	JZ-500 15G0.75	11.4	218
0813B180007X	JZ-500 18G0.75	12.2	257
0813B190007X	JZ-500 19G0.75	12.7	264
0813B200007X	JZ-500 20G0.75	12.7	286
0813B210007X	JZ-500 21G0.75	12.7	320
0813B250007X	JZ-500 25G0.75	14.3	365
0813B270007X	JZ-500 27G0.75	15.2	382
0813B320007X	JZ-500 32G0.75	15.9	455
0813B340007X	JZ-500 34G0.75	16.7	510
0813B370007X	JZ-500 37G0.75	17.2	537
0813B400007X	JZ-500 40G0.75	17.2	595
0813B410007X	JZ-500 41G0.75	18.0	607
0813B420007X	JZ-500 42G0.75	18.0	612
0813B500007X	JZ-500 50G0.75	19.8	735
0813B020010	JZ-500 2x1	5.6	60
0813B030010X	JZ-500 3G1	5.9	72
0813B030010	JZ-500 3x1	5.9	72
0813B040010X	JZ-500 4G1	6.6	86
0813B040010	JZ-500 4x1	6.6	86
0813B050010X	JZ-500 5G1	7.3	104
0813B050010	JZ-500 5x1	7.3	104
0813B060010X	JZ-500 6G1	8.1	125
0813B070010X	JZ-500 7G1	8.1	141
0813B070010	JZ-500 7x1	8.1	141
0813B080010X	JZ-500 8G1	9.6	175
0813B090010X	JZ-500 9G1	9.8	200
0813B100010X	JZ-500 10G1	9.8	217
0813B100010	JZ-500 10x1	9.8	217
0813B120010X	JZ-500 12G1	10.4	230
0813B120010	JZ-500 12x1	10.4	230
0813B140010X	JZ-500 14G1	11.4	271
0813B160010X	JZ-500 16G1	12.3	300
0813B180010X	JZ-500 18G1	12.9	343
0813B180010	JZ-500 18X1	12.9	343
0813B190010X	JZ-500 19G1	13.0	355
0813B200010X	JZ-500 20G1	13.7	375
0813B200010	JZ-500 20x1	13.7	375
0813B210010X	JZ-500 21G1	13.7	420
0813B210010X	JZ-500 24G1	14.7	440
0813B250010X	JZ-500 25G1	15.4	485
0813B250010	JZ-500 25x1	15.4	485
0813B260010X	JZ-500 26G1	15.6	500
0813B270010X	JZ-500 27G1	15.8	534
0813B300010X	JZ-500 30x1	16.4	550



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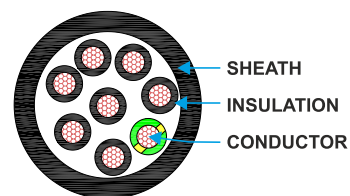
Cable Design Parameters

Part No.	Description & No. Conductors x cross-sec. mm ²	Outer Diameter mm	Weight Cable kg/km
	0813B340010X	JZ-500 34G1	17.9
0813B360010X	JZ-500 36G1	17.9	668
0813B370010X	JZ-500 37G1	18.4	701
0813B400010X	JZ-500 40G1	18.5	755
0813B400010	JZ-500 40x1	18.5	755
0813B410010X	JZ-500 41G1	19.4	770
0813B420010X	JZ-500 42G1	19.4	810
0813B500010X	JZ-500 50G1	21.2	936
0813B020015	JZ-500 2x1.5	6.4	70
0813B030015X	JZ-500 3G1.5	6.8	90
0813B030015	JZ-500 3x1.5	6.8	90
0813B040015X	JZ-500 4G1.5	7.4	109
0813B040015	JZ-500 4x1.5	7.4	109
0813B050015X	JZ-500 5G1.5	8.3	131
0813B050015	JZ-500 5x1.5	8.3	131
0813B060015X	JZ-500 6G1.5	9.2	157
0813B070015X	JZ-500 7G1.5	9.2	184
0813B070015	JZ-500 7x1.5	9.2	184
0813B080015X	JZ-500 8G1.5	9.9	216
0813B090015X	JZ-500 9G1.5	10.9	259
0813B100015X	JZ-500 10G1.5	10.9	275
0813B110015X	JZ-500 11G1.5	12.0	300
0813B120015X	JZ-500 12G1.5	12.0	309
0813B120015	JZ-500 12x1.5	12.0	309
0813B140015X	JZ-500 14G1.5	13.0	345
0813B160015X	JZ-500 16G1.5	13.9	386
0813B180015X	JZ-500 18G1.5	14.6	440
0813B190015X	JZ-500 19G1.5	15.2	445
0813B200015X	JZ-500 20G1.5	15.5	490
0813B210015X	JZ-500 21G1.5	15.5	555
0813B250015X	JZ-500 25G1.5	17.4	620
0813B270015X	JZ-500 27G1.5	19.0	670
0813B320015X	JZ-500 32G1.5	19.5	790
0813B340015X	JZ-500 34G1.5	20.2	830
0813B370015X	JZ-500 37G1.5	20.2	892
0813B020025	JZ-500 2x2.5	7.8	112
0813B030025X	JZ-500 3G2.5	8.3	148
0813B030025	JZ-500 3x2.5	8.3	148
0813B040025X	JZ-500 4G2.5	9.2	178
0813B040025	JZ-500 4x2.5	9.2	178
0813B050025X	JZ-500 5G2.5	10.1	221
0813B050025	JZ-500 5x2.5	10.1	221
0813B070025X	JZ-500 7G2.5	11.2	306
0813B070025	JZ-500 7x2.5	11.2	306
0813B080025X	JZ-500 8G2.5	12.3	363
0813B120025X	JZ-500 12G2.5	14.8	498
0813B140025X	JZ-500 14G2.5	16.0	569
0813B180025X	JZ-500 18G2.5	18.2	764
0813B210025X	JZ-500 21G2.5	19.1	914
0813B250025X	JZ-500 25G2.5	21.6	1044
0813B340025X	JZ-500 34G2.5	25.0	1470
0813B420025X	JZ-500 42G2.5	27.2	1790
0813B500025X	JZ-500 50G2.5	30.0	2095
0813B020040	JZ-500 2x4	9.3	195
0813B030040X	JZ-500 3G4	9.8	230
0813B040040X	JZ-500 4G4	11	295
0813B050040X	JZ-500 5G4	12.3	361
0813B070040X	JZ-500 7G4	13.6	458
0813B080040X	JZ-500 8G4	14.6	590
0813B120040X	JZ-500 12G4	17.8	790



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Cable Design Parameters

Part No.	Description & No. Conductors x cross-sec.	Outer Diameter	Weight Cable
	mm ²	mm	kg/km
0813B030060X	JZ-500 3G6	11.9	355
0813B040060X	JZ-500 4G6	13.0	424
0813B050060X	JZ-500 5G6	14.5	525
0813B070060X	JZ-500 7G6	16.2	625
0813B030100X	JZ-500 3G10	14.8	540
0813B040100X	JZ-500 4G10	16.4	701
0813B050100X	JZ-500 5G10	18.3	858
0813B070100X	JZ-500 7G10	20.2	1106
0813B030160X	JZ-500 3G16	18.2	827
0813B040160X	JZ-500 4G16	20.0	1035
0813B050160X	JZ-500 5G16	22.6	1259
0813B070160X	JZ-500 7G16	24.8	1780
0813B030250X	JZ-500 3G25	22.2	1186
0813B040250X	JZ-500 4G25	24.9	1582
0813B050250X	JZ-500 5G25	27.7	1999
0813B070250X	JZ-500 7G25	30.6	2825
0813B030350	JZ-500 3x35	25.6	1585
0813B040350X	JB-500 4G35	28.4	2105
0813B050350X	JB-500 5G35	31.7	2633
0813B030500X	JB-500 3G50	30.9	2550
0813B040500X	JB-500 4G50	34.2	2940
0813B050500X	JB-500 5G50	38.3	2936
0813B030700X	JB-500 3G70	36.5	3180
0813B040700X	JB-500 4G70	40.3	4090
0813B030950X	JB-500 3G95	41.1	4680
0813B040950X	JB-500 4G95	45.8	5540
0813B050950X	JB-500 5G95	52.7	6931
0813B041200X	JB-500 4G120	51.4	7000
0813B041500X	JB-500 4G150	58.5	8340
0813B041850X	JB-500 4G185	61.1	9904

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