



YSLY-JZ/OZ

Application and Description

In dry and moist rooms for light and medium mechanical stresses. Not outdoors. As supply or interconnecting cable for measuring, controlling and regulating, according to DIN VDE 0113 for computers units for control equipments on machine tools, assembly lines, for control equipment on conveyors and production lines for controlling, regulating, and monitoring work processes, industrial plants and production lines when temporarily freely moved and no periodic recurrence without forced guidance. Cross sections above 10 mm² are energy supply cable for fixed installations on machine tools in production lines. Cores are normally identified by colours to VDE 0293.

Cable Construction

- Flexible bare copper strands
 - Strands to IEC 60228, EN 60228, VDE0295 class 5
 - PVC insulation
 - Black cores with printed consecutivenumber coding, with green-yellow protective conductor
OZ without protective conductor
 - Cores twisted in layers
 - Grey PVC, flame retardant, jacket
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Technical Characteristics

- Working Voltage: 300/500 volts
 - Test voltage: 4000 V
 - Minimum bending radius: 15 x Ø
 - Operation temperature rage: -30 °C to 70 °C(static)
-5 °C to 70 °C(flexing)
 - Insulation resistance: mind. 20 MOhm x km
 - Fire propagation/Flame retardation: according to VDE 0472 part 804, test method B, and IEC 332-1
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Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	nominal outer-ø mm	cable weight kg/km	copper weight kg/km
20(16/32)	2 x 0.5 OZ	4.9	40	9.6
20(16/32)	3 x 0.5 JZ	5.2	47	14.4
20(16/32)	3 x 0.5 OZ	5.2	47	14.4
20(16/32)	4 x 0.5 JZ	5.7	57	19.2
20(16/32)	4 x 0.5 OZ	5.7	57	19.2
20(16/32)	5 x 0.5 JZ	6	66	24
20(16/32)	5 x 0.5 OZ	6	66	24
20(16/32)	6 x 0.5 JZ	6.5	89	28.8
20(16/32)	7 x 0.5 JZ	7	85	34
20(16/32)	7 x 0.5 OZ	7	85	34
20(16/32)	8 x 0.5 JZ	7.6	96	38
20(16/32)	8 x 0.5 OZ	7.6	96	38
20(16/32)	10 x 0.5 JZ	8.5	117	48.5
20(16/32)	10 x 0.5 OZ	8.5	117	48.5
20(16/32)	12 x 0.5 JZ	9	133	58
20(16/32)	12 x 0.5 OZ	9	133	58
20(16/32)	14 x 0.5 JZ	9.2	151	67
20(16/32)	16 x 0.5 JZ	10.3	196	77
20(16/32)	18 x 0.5 JZ	10.7	197	86
20(16/32)	20 x 0.5 JZ	11.7	231	96
20(16/32)	21 x 0.5 JZ	11.9	223	101
20(16/32)	25 x 0.5 JZ	12.7	260	120
20(16/32)	30 x 0.5 JZ	13.6	303	144
20(16/32)	34 x 0.5 JZ	14.6	360	163
20(16/32)	35 x 0.5 JZ	15	380	168
20(16/32)	40 x 0.5 JZ	15.5	404	192
20(16/32)	42 x 0.5 JZ	16.1	471	202
20(16/32)	50 x 0.5 JZ	17.5	510	240
20(16/32)	52 x 0.5 JZ	17.6	530	252
20(16/32)	61 x 0.5 JZ	18.8	650	293
20(16/32)	65 x 0.5 JZ	19.7	685	293
20(16/32)	80 x 0.5 JZ	21.4	778	293
20(16/32)	100 x 0.5 JZ	23.8	970	293
18(24/32)	2 x 0.75 OZ	5.5	46	14.4
18(24/32)	3 x 0.75 JZ	5.7	54	21.6
18(24/32)	3 x 0.75 OZ	5.7	54	21.6
18(24/32)	4 x 0.75 JZ	6.2	67	29
18(24/32)	4 x 0.75 OZ	6.2	67	29
18(24/32)	5 x 0.75 JZ	6.9	88	36



Addison Industrial Cables

German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	nominal outer- ϕ mm	cable weight kg/km	copper weight kg/km
18(24/32)	5 x 0.75 JZ	6.9	88	36
18(24/32)	6 x 0.75 JZ	7.5	114	43.2
18(24/32)	6 x 0.75 OZ	7.5	114	43.2
18(24/32)	7 x 0.75 JZ	7.6	125	50
18(24/32)	7 x 0.75 OZ	7.6	125	50
18(24/32)	8 x 0.75 JZ	9	130	58
18(24/32)	8 x 0.75 OZ	9	130	58
18(24/32)	9 x 0.75 JZ	10.7	152	65
18(24/32)	10 x 0.75 JZ	9.8	162	72
18(24/32)	12 x 0.75 JZ	11	176	86
18(24/32)	12 x 0.75 OZ	11	176	86
18(24/32)	14 x 0.75 JZ	11.2	214	101
18(24/32)	15 x 0.75 JZ	11.5	218	108
18(24/32)	18 x 0.75 JZ	14.1	269	130
18(24/32)	19 x 0.75 JZ	14.6	275	136.8
18(24/32)	20 x 0.75 JZ	12.9	286	144
18(24/32)	21 x 0.75 JZ	13.3	320	151
18(24/32)	25 x 0.75 JZ	14.4	374	180
18(24/32)	27 x 0.75 JZ	14.8	390	194.4
18(24/32)	30 x 0.75 JZ	15	440	216
18(24/32)	32 x 0.75 JZ	16.1	475	230
18(24/32)	34 x 0.75 JZ	16.2	508	245
18(24/32)	37 x 0.75 JZ	16.4	530	260
18(24/32)	40 x 0.75 JZ	17.5	570	288
18(24/32)	41 x 0.75 JZ	17.7	580	296
18(24/32)	42 x 0.75 JZ	17.8	590	302
18(24/32)	50 x 0.75 JZ	19.4	640	360
18(24/32)	61 x 0.75 JZ	20.8	780	439
18(24/32)	65 x 0.75 JZ	21.8	890	468
18(24/32)	80 x 0.75 JZ	23.9	1150	576
18(24/32)	100 x 0.75 JZ	26.3	1310	720
17(32/32)	2 x 1 OZ	5.8	57	19.2
17(32/32)	3 x 1 JZ	6.3	80	28.8
17(32/32)	3 x 1 OZ	6.3	80	28.8
17(32/32)	4 x 1 JZ	6.7	106	38.4
17(32/32)	4 x 1 OZ	6.7	106	38.4
17(32/32)	5 x 1 JZ	7.3	123	48
17(32/32)	5 x 1 OZ	7.3	123	48
17(32/32)	6 x 1 JZ	8.1	135	57.6
17(32/32)	7 x 1 JZ	8.3	149	67
17(32/32)	7 x 1 OZ	8.3	149	67
17(32/32)	8 x 1 JZ	9.5	175	77



German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	nominal outer-Ø mm	cable weight kg/km	copper weight kg/km
17(32/32)	9 x 1 JZ	10.2	200	86.4
17(32/32)	10 x 1 JZ	10.4	220	96
17(32/32)	10 x 1 OZ	10.4	220	96
17(32/32)	12 x 1 JZ	10.7	260	115.2
17(32/32)	12 x 1 OZ	10.7	260	115.2
17(32/32)	14 x 1 JZ	11.5	290	134.4
17(32/32)	16 x 1 JZ	12	320	153.6
17(32/32)	18 x 1 JZ	12.8	350	172.8
17(32/32)	18 x 1 OZ	12.8	350	172.8
17(32/32)	19 x 1 JZ	13	360	182
17(32/32)	20 x 1 JZ	13.6	370	192
17(32/32)	20 x 1 OZ	13.6	370	192
17(32/32)	21 x 1 JZ	14.1	382	205
17(32/32)	24 x 1 JZ	14.6	444	236
17(32/32)	25 x 1 JZ	14.7	470	240
17(32/32)	25 x 1 OZ	14.7	470	240
17(32/32)	26 x 1 JZ	15.1	495	252
17(32/32)	27 x 1 JZ	15.8	530	259
17(32/32)	30 x 1 OZ	16	550	308
17(32/32)	34 x 1 JZ	17.1	600	326.4
17(32/32)	36 x 1 JZ	17.5	620	346
17(32/32)	37 x 1 JZ	17.8	635	355
17(32/32)	40 x 1 JZ	18.4	690	384
17(32/32)	40 x 1 OZ	18.4	690	384
17(32/32)	41 x 1 JZ	18.9	699	394
17(32/32)	42 x 1 JZ	18.9	720	403
17(32/32)	50 x 1 JZ	20.8	926	480
17(32/32)	56 x 1 JZ	21.5	1020	538
17(32/32)	61 x 1 JZ	22.4	1100	586
17(32/32)	65 x 1 JZ	23.3	1170	628
17(32/32)	80 X 1 JZ	25.6	1300	786
17(32/32)	100 X 1 JZ	28.5	1628	960
16(30/30)	2 x 1.5 OZ	6.6	90	28.8
16(30/30)	3 x 1.5 JZ	6.8	100	43.2
16(30/30)	3 x 1.5 OZ	6.8	100	43.2
16(30/30)	4 x 1.5 JZ	7.4	120	57.6
16(30/30)	4 x 1.5 OZ	7.4	120	57.6
16(30/30)	5 x 1.5 JZ	8.3	140	72
16(30/30)	5 x 1.5 OZ	8.3	140	72
16(30/30)	6 x 1.5 JZ	9	150	86.4
16(30/30)	7 x 1.5 JZ	9.1	170	100.8
16(30/30)	7 x 1.5 OZ	9.1	170	100.8



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AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	nominal outer-ø mm	cable weight kg/km	copper weight kg/km
16(30/30)	8 x 1.5 JZ	10.8	200	115
16(30/30)	9 x 1.5 JZ	11.6	210	129
16(30/30)	10 x 1.5 JZ	11.6	250	144
16(30/30)	12 x 1.5 JZ	12.3	310	172.8
16(30/30)	12 x 1.5 OZ	12.3	310	172.8
16(30/30)	14 x 1.5 JZ	12.8	360	202
16(30/30)	16 x 1.5 JZ	13.7	390	230.4
16(30/30)	18 x 1.5 JZ	14.7	420	259.2
16(30/30)	19 x 1.5 JZ	14.9	440	265
16(30/30)	20 x 1.5 JZ	15.2	490	288
16(30/30)	20 x 1.5 OZ	15.2	490	288
16(30/30)	21 x 1.5 JZ	16	530	302
16(30/30)	25 x 1.5 JZ	17.2	600	360
16(30/30)	32 x 1.5 JZ	19	700	460.8
16(30/30)	34 x 1.5 JZ	19.7	730	489.6
16(30/30)	40 x 1.5 JZ	21.5	890	576
16(30/30)	41 x 1.5 JZ	21.5	900	590.4
16(30/30)	42 x 1.5 JZ	22	920	605
16(30/30)	50 x 1.5 JZ	23.7	1060	720
16(30/30)	56 x 1.5 JZ	25.1	1200	806
16(30/30)	61 x 1.5 JZ	25.5	1320	878.4
16(30/30)	65 x 1.5 JZ	26.8	1440	936
16(30/30)	80 x 1.5 JZ	29.3	1750	1152.00
16(30/30)	100 x 1.5 JZ	32.7	2360	1440.00
14(30/50)	2 x 2.5 OZ	7.7	120	48
14(30/50)	3 x 2.5 JZ	8.3	170	72
14(30/50)	3 x 2.5 OZ	8.3	170	72
14(30/50)	4 x 2.5 JZ	9.1	180	96
14(30/50)	4 x 2.5 OZ	9.1	180	96
14(30/50)	5 x 2.5 JZ	10.2	190	120
14(30/50)	5 x 2.5 OZ	10.2	190	120
14(30/50)	7 x 2.5 JZ	11.2	280	168
14(30/50)	7 x 2.5 OZ	11.2	280	168
14(30/50)	8 x 2.5 JZ	13.1	330	192
14(30/50)	12 x 2.5 JZ	15	510	288
14(30/50)	14 x 2.5 JZ	16	600	336
14(30/50)	16 x 2.5 JZ	17	650	384
14(30/50)	18 x 2.5 JZ	18	870	432
14(30/50)	21 x 2.5 JZ	20	905	504
14(30/50)	25 x 2.5 JZ	21	1140	600
14(30/50)	32 x 2.5 JZ	24	1203	768
14(30/50)	34 x 2.5 JZ	24.7	1320	816



German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	nominal outer- \emptyset mm	cable weight kg/km	copper weight kg/km
14(30/50)	42 x 2.5 JZ	27.4	1610	1008.00
14(30/50)	50 x 2.5 JZ	29.7	1890	1200.00
14(30/50)	61 x 2.5 JZ	32	2480	1464.00
14(30/50)	100 x 2.5 JZ	41	400	2400.00
12(56/28)	2 x 4 OZ	9.3	175	77
12(56/28)	3 x 4 JZ	10.1	208	115
12(56/28)	4 x 4 JZ	11	270	153.6
12(56/28)	5 x 4 JZ	12.3	300	192
12(56/28)	7 x 4 JZ	13.6	410	268.8
12(56/28)	12 x 4 JZ	18	710	461
10(84/28)	3 x 6 JZ	11.8	320	173
10(84/28)	4 x 6 JZ	13.1	330	230.4
10(84/28)	5 x 6 JZ	14.4	430	288
10(84/28)	7 x 6 JZ	16	600	403.2
8(80/26)	3 x 10 JZ	14.9	540	288
8(80/26)	4 x 10 JZ	16.5	750	384
8(80/26)	5 x 10 JZ	18.3	930	480
8(80/26)	7 x 10 JZ	20.2	1100	672
6(128/26)	3 x 16 JZ	16.7	830	461
6(128/26)	4 x 16 JZ	19.1	1050	614
6(128/26)	5 x 16 JZ	21.5	1300	768
6(128/26)	7 x 16 JZ	23.7	1740	1075.00
4(200/26)	3 x 25 JZ	22.7	1070	720
4(200/26)	4 x 25 JZ	23.8	1680	960
4(200/26)	5 x 25 JZ	26.7	2100	1200.00
4(200/26)	7 x 25 JZ	31	2700	1680.00
2(280/26)	3 x 35 JB	25.4	1590	1008.00
2(280/26)	4 x 35 JB	28.3	2050	1344.00
2(280/26)	5 x 35 JB	32	2630	1680.00
1(400/26)	3 x 50 JB	30.5	2290	1440.00
1(400/26)	4 x 50 JB	34	2800	1920.00
2/0(356/24)	3 x 70 JB	36	2860	2016.00
2/0(356/24)	4 x 70 JB	39.6	4050	2688.00
3/0(485/24)	3 x 95 JB	41.2	4210	2736.00
3/0(485/24)	4 x 95 JB	46	5500	3648.00
4/0(614/24)	3 x 120 JB	46.8	5200	3456.00
4/0(614/24)	4 x 120 JB	52	6500	4608.00
300MCM(765/24)	4 x 150 JB	46.8	7900	5760.00
350MCM(944/24)	4 x 185 JB	52	9000	7104.00