YSLCY-JZ

Application and Description

Data cable with protective conductor and overall screening. Suitable for fixed installation or flexible applications. Used as measuring, checking and control cable in machine tool manufacturing, plant engineering and on assembly lines and production lines as well as in office technology. With unrestricted mobility withoud forced movement control and withoud exposure to tensile load. Installation in dry and moist rooms; outdoor installation not permitted. Outdoor installation only in exceptional cases and with sufficient protection against direct exposure to sunlight.

Cable Construction

- Flexible bare copper strands
- Strands to IEC 60228, EN 60228, VDE0295 class 5
- PVC insulation
- Black cores with printed consecutivenumber coding
- Green-yellow protective conductor(3 cores and over)
- Cores twisted in layers
- Fim lapping
- Copper braided screening, tinned]
- Grey PVC jacket

Technical Characteristics

- Working Voltage: 300/500 volts
- Test voltage: min.2000 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

Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm²	nominal outer-ø mm	cable weight kg/km	copper weight kg/km
20(16/32)	2 x0.5*	7.7	89	25
20(16/32)	3 x0.5	8.1	106	45.5
20(16/32)	4 x0.5	8.5	123	55
20(16/32)	5 x0.5	9.7	134	66
20(16/32)	7 x0.5	10.8	160	84
20(16/32)	12 x0.5	13	237	138
20(16/32)	18 x0.5	14	327	161
20(16/32)	25 x0.5	15.6	461	250
20(16/32)	30 x0.5	17.5	516	295
20(16/32)	34 x0.5	18	560	312
20(16/32)	40 x0.5	20	608	343
18(24/32)	2 x0.75*	8.1	110	35
18(24/32)	3 x0.75	8.4	127	59
18(24/32)	4 x0.75	9.5	143	66
18(24/32)	5 x0.75	10.1	164	78
18(24/32)	7 x0.75	8	190	107
18(24/32)	12 x0.75	13.9	320	181
18(24/32)	18 x0.75	16	470	257
18(24/32)	25 x0.75	17.4	565	319
18(24/32)	34 x0.75	19.8	723	420
18(24/32)	42 x0.75	25.1	854	470
18(24/32)	50 x0.75	24.5	950	695
18(24/32)	61 x0.75	26.2	1100	798
17(32/32)	2 x1*	8.4	121	60
17(32/32)	3 x1	8.9	142	75
17(32/32)	4 x1	9.9	163	85
17(32/32)	5 x1	10.3	185	102
17(32/32)	7 x1	11.6	220	127
17(32/32)	12 x1	14.7	357	198
17(32/32)	18 x1	16.8	522	303
17(32/32)	25 x1	20	688	412
17(32/32)	34 x1	22.4	840	505

AWG	No. of Cores x Nominal Cross Sectional Area # x mm²	nominal outer-ø mm	cable weight kg/km	copper weight kg/km
17(32/32)	41 x1	24.5	1000	578
17(32/32)	50 x1	25.6	1150	688
17(32/32)	61 x1	29	1350	782
16(30/30)	2 x1.5*	9.9	130	65
16(30/30)	3 x1.5	10.1	156	95
16(30/30)	4 x1.5	10.9	172	116
16(30/30)	5 x1.5	11.7	208	130
16(30/30)	7 x1.5	12.7	244	199
16(30/30)	12 x1.5	16.7	402	310
16(30/30)	18 x1.5	19.5	600	411
16(30/30)	25 x1.5	22.5	812	547
16(30/30)	34 x1.5	25.9	992	754
16(30/30)	42 x1.5	29.6	1223	870
16(30/30)	50 x1.5	29.9	1600	1005
16(30/30)	61 x1.5	33.1	1780	1212
14(30/50)	2 x2.5*	12.5	180	110
14(30/50)	3 x2.5	14.1	211	146
14(30/50)	4 x2.5	15.1	326	167
14(30/50)	5 x2.5	16.3	356	200
14(30/50)	7 x2.5	17.5	498	288
14(30/50)	12 x2.5	20.8	911	477
14(30/50)	18 x2.5	24.6	1350	586
14(30/50)	25 x2.5	29.4	1890	848
14(30/50)	34 x2.5	29.4	2150	1153
12(56/28)	4 x4	16	458	290
12(56/28)	5 x4	17.3	532	328
12(56/28)	7 x4	19.5	745	388
10(84/28)	4 x6	17.9	611	360
10(84/28)	5 x6	20	763	430
10(84/28)	7 x6	22.7	1070	542
8(80/26)	4 x10	22.3	930	558
8(80/26)	5 x10	24	1160	649
8(80/26)	7 x10	25.5	1250	890
6(128/26)	4 x16	25.5	1230	910

German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm²	nominal outer-ø mm	cable weight kg/km	copper weight kg/km
6(128/26)	5 x16	28.6	1480	1053
4(200/26)	4 x25	34	1790	1310
4(200/26)	5 x25	36	1880	1610
2(280/26)	4 x35	35.6	2260	1610
2(280/26)	5 x35	38	2540	1820
1(400/26)	4 x50	40.6	3290	2220
2/0(356/24)	4 x70	51	4500	3175
3/0(485/24)	4 x95	57	5920	4060
4/0(614/24)	4 x120	68	7230	5150