

SY-OZ/SY-JZ numbered cores



SY-JZ is a transparent PVC , steel braided, flexible, oil-resistant, multi-conductor power and control cable. The steel wire braid provides excellent protection against mechanical abuse and EMI emissions. Common applications include CNC machines, machine tools, control systems, assembly lines, control panel to machine connections, grinding machines and bottling equipment.



- **BENDING RADIUS:** 6 x Cable Diameter
- **TEMPERATURE:** -40° C. to +70° C. (Flame protection to IEC 60332.1)
- **RATED WORKING VOLTAGE:** 300/500V.
- **STRANDING:** VDE 0295 Class 5 - IEC 60228 (fine bare copper)
- **COLOR CODE:** VDE 0293 - Black Cores w/ White Numbers & Green/Yellow Ground. *OZ has NO Ground.
- **APPROVALS:** VDE-0245, 0281, 0293, 0295, CE Low-Voltage Directive & ROHS Compliant.

PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
20 AWG (16/32) 0,50mm2				
1222002 OZ	2	0.283" / 7.2mm	54	80
1232003	3	0.303" / 7.7mm	62	92
1232004	4	0.319" / 8.1mm	68	102
1232005	5	0.339" / 8.6mm	80	119
1232007	7	0.386" / 9.8mm	105	157
1232012	12	0.457" / 11.6mm	146	218
1232018	18	0.531" / 13.5mm	228	340
1232021	21	0.587" / 14.9mm	248	370
1232025	25	0.626" / 15.9mm	272	406
1232030	30	0.646" / 16.4mm	294	439
1232034	34	0.689" / 17.5mm	334	498
1232040	40	0.760" / 19.3mm	379	565
1232050	50	0.827" / 21.0mm	463	690
18 AWG (24/32) 0,75mm2				
1221802 OZ	2	0.307" / 7.8mm	66	98
1231803	3	0.319" / 8.1mm	69	103
1231804	4	0.339" / 8.6mm	82	122
1231805	5	0.370" / 9.4mm	95	142
1231807	7	0.421" / 10.7mm	124	185
1231812	12	0.504" / 12.8mm	196	292
1231818	18	0.583" / 14.8mm	260	388
1231821	21	0.638" / 16.2mm	318	474
1231825	25	0.701" / 17.8mm	337	503
1231834	34	0.772" / 19.6mm	445	663
1231841	41	0.831" / 21.1mm	497	741
1231850	50	0.917" / 23.3mm	620	925
17 AWG (32/32) 1,00mm2				
1221702 OZ	2	0.323" / 8.2mm	75	112
1231703	3	0.335" / 8.5mm	89	132
1231704	4	0.366" / 9.3mm	96	143
1231705	5	0.386" / 9.8mm	111	166
1231707	7	0.445" / 11.3mm	152	227
1231712	12	0.535" / 13.6mm	228	340
1231718	18	0.614" / 15.6mm	335	500

Sizes continued on next page.

The Mueller Group, Inc.

SY-OZ/SY-JZ numbered cores



SY-JZ Sizes Continued (17 AWG to 8 AWG)

PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
17 AWG (32/32) 1,00mm² Cont.				
1231725	25	0.736" / 18.7mm	445	664
1231734	34	0.819" / 20.8mm	567	845
1231741	41	0.874" / 22.2mm	666	993
1231750	50	0.953" / 24.2mm	746	1112
1231761	61	1.047" / 26.6mm	876	1306
1231780	80	1.161" / 29.5mm	1174	1750
1231700	100	1.307" / 33.2mm	1308	1950
16 AWG (30/30) 1,50mm²				
1221602 OZ	2	0.350" / 8.9mm	87	129
1231603	3	0.366" / 9.3mm	100	149
1231604	4	0.390" / 9.9mm	124	185
1231605	5	0.425" / 10.8mm	138	205
1231607	7	0.492" / 12.5mm	191	285
1231612	12	0.594" / 15.1mm	298	444
1231618	18	0.681" / 17.3mm	398	593
1231625	25	0.823" / 20.9mm	524	781
1231634	34	0.902" / 22.9mm	754	1124
1231642	42	0.969" / 24.6mm	940	1401
1231650	50	1.067" / 27.1mm	1062	1583
1231661	61	1.173" / 29.8mm	1214	1810
1231680	80	1.307" / 33.2mm	1553	2316
1231600	100	1.433" / 36.4mm	1945	2900
14 AWG (50/30) 2,50mm²				
1221402 OZ	2	0.409" / 10.4mm	124	185
1231403	3	0.433" / 11.0mm	166	248
1231404	4	0.469" / 11.9mm	195	290
1231405	5	0.504" / 12.8mm	233	347
1231407	7	0.598" / 15.2mm	282	420
1231412	12	0.717" / 18.2mm	443	660
1231418	18	0.846" / 21.5mm	599	893
1231425	25	1.004" / 25.5mm	978	1458
1231434	34	1.130" / 28.7mm	1254	1869
1231450	50	1.350" / 34.3mm	1476	2200
1231461	61	1.484" / 37.7mm	2012	3000
12 AWG (56/28) 4,00mm²				
1231203	3	0.496" / 12.6mm	235	350
1231204	4	0.547" / 13.9mm	287	428
1231205	5	0.591" / 15.0mm	338	504
1231207	7	0.646" / 16.4mm	429	640
10 AWG (84/28) 6,00mm²				
1231004	4	0.622" / 15.8mm	383	571
1231005	5	0.677" / 17.2mm	450	671
1231007	7	0.744" / 18.9mm	567	845
8 AWG (80/26) 10,0mm²				
1230804	4	0.787" / 20.0mm	633	943
1230805	5	0.862" / 21.9mm	714	1065
1230807	7	0.953" / 24.2mm	1040	1551

Sizes continued next page.

SY-OZ/SY-JZ numbered cores

SY-JZ Sizes Continued (6 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
6 AWG (128/26) 16,0mm²				
1230604	4	0.902" / 22.9mm	912	1360
1230605	5	1.004" / 25.5mm	1167	1740
1230607	7	1.102" / 28.0mm	1453	2166
4 AWG (200/26) 25,0mm²				
1230404	4	1.138" / 28.9mm	1355	2020
1230405	5	1.252" / 31.8mm	1653	2465
2 AWG (280/26) 35,0mm²				
1230204	4	1.268" / 32.2mm	1724	2570
1230205	5	1.433" / 36.4mm	2136	3185
1 AWG (400/26) 50,0mm²				
1230104	4	1.504" / 38.2mm	2356	3513
1230105	5	1.701" / 43.2mm	2849	4248
2/0 AWG (356/24) 70,0mm²				
1232104	4	1.843" / 46.8mm	3226	4810
1232105	5	2.039" / 51.8mm	3944	5880
3/0 AWG (485/24) 95,0mm²				
1233104	4	2.028" / 51.5mm	4266	6360
1233105	5	2.220" / 56.4mm	5413	8071
4/0 AWG (614/24) 120,0mm²				
1234104	4	2.217" / 56.3mm	5480	8170
300 MCM (765/24) 150,0mm²				
1233004	4	2.500" / 63.5mm	6687	9970

* Additional sizes may be available.