

CY-JZ Copper Shield & Numbered Cores



CY-JZ is an oil resistant power and control cable with a tinned copper wire braid. Suitable for fixed or flexible applications. Commonly used as a measuring, regulating and control cable used in machine tool, plant engineering and construction, conveying and transport systems, assembly and production lines, air conditioning and ventilation systems and paint-spray lines. Designed for free and unrestricted movements without exposure to tensile loads. The tinned copper braid provides interference-free data and signal transmissions and greater electromagnetic protection from electrical drives and frequency converters. Outdoor installation is not permitted.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5
- Special PVC core insulation
- Color code VDE-0293 - black & numbered
- Gray PVC inner jacket
- 85% Tinned Copper Braid
- Transparent PVC outer jacket
- "OZ" denotes no ground wire
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500 volts
- Test voltage: 4000 volts
- Flexing bending radius: 20 x Ø
- Static bending radius: 6 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -30° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: >20 MΩ x km

Approvals:

- VDE-0245, 0281, 0293, 0295
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (16/32) 0,50mm²				
1322002 OZ	2	0.272" / 6.9mm	25	45
1332003	3	0.283" / 7.2mm	31	56
1332004	4	0.307" / 7.8mm	37	63
1332005	5	0.327" / 8.3mm	44	72
1332007	7	0.374" / 9.5mm	54	91
1332012	12	0.445" / 11.3mm	93	127
1332014	14	0.468" / 11.9mm	98	135
1332018	18	0.516" / 13.1mm	105	186
1332021	21	0.571" / 14.5mm	127	222
1332025	25	0.618" / 15.7mm	168	273
1332030	30	0.630" / 16.0mm	199	349
1332036	36	0.685" / 17.4mm	215	392
1332040	40	0.744" / 18.9mm	230	439
1332050	50	0.823" / 20.9mm	273	496
1332061	61	0.925" / 23.5mm	294	523
1332080	80	0.968" / 24.6mm	370	591
1332000	100	1.063" / 27.0mm	456	738
18 AWG (24/32) 0,75mm²				
1321802 OZ	2	0.299" / 7.6mm	29	58
1331803	3	0.307" / 7.8mm	39	66
1331804	4	0.327" / 8.3mm	43	76
1331805	5	0.358" / 9.1mm	52	87
1331807	7	0.409" / 10.4mm	68	105
1331812	12	0.492" / 12.5mm	133	147
1331815	15	0.535" / 13.6mm	142	171
1331818	18	0.563" / 14.3mm	163	214
1331821	21	0.622" / 15.8mm	167	305
1331825	25	0.685" / 17.4mm	206	341
1331834	34	0.752" / 19.1mm	277	403
1331841	41	0.835" / 21.2mm	327	651
1331850	50	0.913" / 23.2mm	358	738
1331861	61	0.984" / 25.0mm	392	617
1331880	80	1.106" / 28.1mm	510	805
1331800	100	1.204" / 30.6mm	652	1006
17 AWG (32/32) 1,00mm²				
1321702 OZ	2	0.311" / 7.9mm	37	65
1331703	3	0.323" / 8.2mm	44	69
1331704	4	0.350" / 8.9mm	52	98
1331705	5	0.374" / 9.5mm	60	112

Sizes continued on next page.

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CY-JZ Sizes Continued. (17 AWG to 8 AWG)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (32/32) 1,00mm2 Cont.				
1331707	7	0.433" / 11.0mm	85	147
1331712	12	0.516" / 13.1mm	126	235
1331714	14	0.551" / 14.0mm	144	268
1331718	18	0.606" / 15.4mm	161	345
1331720	20	0.630" / 16.0mm	192	366
1331725	25	0.720" / 18.3mm	229	462
1331734	34	0.795" / 20.3mm	295	610
1331741	41	0.870" / 22.1mm	343	732
1331750	50	0.945" / 24.0mm	420	882
1331761	61	1.031" / 26.2mm	476	919
1331780	80	1.154" / 29.3mm	630	1080
1331700	100	1.303" / 33.1mm	791	1234
16 AWG (30/30) 1,50mm2				
1321602 OZ	2	0.331" / 8.4mm	42	87
1331603	3	0.354" / 9.0mm	51	102
1331604	4	0.378" / 9.6mm	64	113
1331605	5	0.413" / 10.5mm	74	135
1331607	7	0.476" / 12.1mm	99	204
1331608	8	0.527" / 13.4mm	115	291
1331609	9	0.555" / 14.1mm	123	429
1331610	10	0.574" / 14.6mm	129	204
1331612	12	0.606" / 15.4mm	170	291
1331614	14	0.629" / 16.0mm	182	295
1331618	18	0.673" / 17.1mm	236	429
1331625	25	0.815" / 20.7mm	330	540
1331634	34	0.898" / 22.8mm	433	647
1331641	41	0.976" / 24.8mm	490	926
1331650	50	1.055" / 26.8mm	655	1123
1331661	61	1.165" / 29.6mm	751	1207
1331680	80	1.307" / 33.2mm	912	1543
1331600	100	1.433" / 36.4mm	1134	1744
14 AWG (50/30) 2,50mm2				
1321402 OZ	2	0.394" / 10.0mm	64	121
1331403	3	0.421" / 10.7mm	99	145
1331404	4	0.449" / 11.4mm	117	179
1331405	5	0.492" / 12.5mm	134	233
1331407	7	0.591" / 15.0mm	158	273
1331412	12	0.709" / 18.0mm	248	484
12 AWG (56/28) 4,00mm2				
1321202 OZ	2	0.457" / 11.6mm	91	203
1331203	3	0.484" / 12.3mm	119	228
1331204	4	0.528" / 13.4mm	148	275
1331205	5	0.583" / 14.8mm	220	337
1331207	7	0.638" / 16.2mm	238	428
10 AWG (84/28) 6,00mm2				
1321002 OZ	2	0.531" / 13.5mm	117	235
1331003	3	0.559" / 14.2mm	161	302
1331004	4	0.614" / 15.6mm	205	375
1331005	5	0.673" / 17.1mm	296	471
1331007	7	0.736" / 18.7mm	339	608
8 AWG (80/26) 10,0mm2				
1320802 OZ	2	0.661" / 16.8mm	178	335
1330803	3	0.701" / 17.8mm	248	502
1330804	4	0.776" / 19.7mm	325	684
1330805	5	0.850" / 21.6mm	409	748
1330807	7	0.945" / 24.0mm	550	1006

Sizes continued on next page.

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CY-JZ Sizes Continued. (6 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
6 AWG (128/26) 16,0mm²				
1330604	4	0.890" / 22.6mm	832	926
1330605	5	0.992" / 25.2mm	933	1042
4 AWG (200/26) 25,0mm²				
1330404	4	1.138" / 28.9mm	879	1268
1330405	5	1.252" / 31.8mm	1234	1523
2 AWG (280/26) 35,0mm²				
1330204	4	1.268" / 32.2mm	1080	1603
1330205	5	1.433" / 36.4mm	1352	1935
1 AWG (400/26) 50,0mm²				
1330104	4	1.504" / 38.2mm	1489	2223
1330105	5	1.697" / 43.1mm	1932	2784
2/0 AWG (356/24) 70,0mm²				
1332104	4	1.843" / 46.8mm	2073	3085
1332105	5	2.039" / 51.8mm	2704	3857
3/0 AWG (485/24) 95,0mm²				
1333104	4	2.008" / 51.0mm	2723	4065
1333105	5	2.209" / 56.1mm	3517	5084
4/0 AWG (614/24) 120,0mm²				
1334104	4	2.205" / 56.0mm	3554	4906
1334105	5	2.480" / 63.0mm	4443	6137
300 MCM (765/24) 150,0mm²				
1333004	4	2.504" / 63.6mm	4544	6492
1333005	5	2.736" / 69.5mm	5699	6821

* Additional sizes may be available.