

The Mueller Group, Inc.

FLEX-JZ numbered cores



FLEX-JZ is our most standard PVC, flexible multi-conductor power and control cable designed for use in all electrical equipment in dry, damp and wet conditions. Common applications include CNC machines, machine tools, control systems, assembly lines, control panel to machine connections, grinding machines and bottling equipment.



- **BENDING RADIUS:** 7.5 x Cable Diameter
- **TEMPERATURE:** -40° C. to +70° C.
- **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.
- **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				
1022002-OZ	2	0.189" / 4.8mm	27	40
1032003*	3	0.201" / 5.1mm	30	45
1032004*	4	0.224" / 5.7mm	38	56
1032005*	5	0.244" / 6.2mm	44	65
1032007*	7	0.291" / 7.4mm	54	80
1032012*	12	0.358" / 9.1mm	91	135
1032016	16	0.398" / 10.1mm	117	175
1032018	18	0.421" / 10.7mm	131	196
1032021	21	0.465" / 11.8mm	161	240
1032025	25	0.512" / 13.0mm	181	270
1032030	30	0.531" / 13.5mm	208	310
1032034	34	0.571" / 14.5mm	243	362
1032040	40	0.622" / 15.8mm	391	434
1032050	50	0.681" / 17.3mm	344	513
1032065	65	0.764" / 19.4mm	457	682
1032080	80	0.839" / 21.3mm	523	780
1032000	100	0.933" / 23.7mm	657	980
18 AWG (24/32) 0,75mm²				
1021802-OZ	2	0.205" / 5.2mm	31	46
1031803*	3	0.217" / 5.5mm	36	54
1031804*	4	0.244" / 6.2mm	44	66
1031805*	5	0.268" / 6.8mm	54	80
1031807*	7	0.319" / 8.1mm	74	110
1031812*	12	0.390" / 9.9mm	120	179
1031815	15	0.441" / 11.2mm	148	220
1031818	18	0.469" / 11.9mm	172	257
1031821	21	0.524" / 13.3mm	215	320
1031825	25	0.571" / 14.5mm	245	365
1031830	30	0.602" / 15.3mm	302	450
1031834	34	0.646" / 16.4mm	342	510
1031841	41	0.693" / 17.6mm	407	607
1031850	50	0.780" / 19.8mm	493	735
1031865	65	0.846" / 21.5mm	600	895
1031880	80	0.929" / 23.6mm	718	1070
1031800	100	1.031" / 26.2mm	887	1322

* Available in Flex-OZ (102) - No Ground Wire construction

Sizes continued on back >

Flexible Control Cables

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FLEX-JZ Sizes Continued. (17, 16 & 14 AWG)

PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
17 AWG (32/32) 1,00mm²				
1021702-OZ	2	0.217" / 5.5mm	40	60
1031703*	3	0.236" / 6.0mm	48	72
1031704*	4	0.260" / 6.6mm	58	86
1031705*	5	0.283" / 7.2mm	70	104
1031707*	7	0.339" / 8.6mm	95	141
1031712*	12	0.421" / 10.7mm	154	230
1031716	16	0.476" / 12.1mm	201	300
1031718*	18	0.500" / 12.7mm	230	343
1031721	21	0.555" / 14.1mm	282	420
1031725*	25	0.614" / 15.6mm	325	485
1031730*	30	0.634" / 16.1mm	369	550
1031734	34	0.685" / 17.4mm	436	650
1031740*	40	0.744" / 18.9mm	506	755
1031750	50	0.827" / 21.0mm	628	936
1031765	65	0.898" / 22.8mm	791	1180
1031780	80	1.000" / 25.4mm	868	1294
1031700	100	1.110" / 28.2mm	1103	1644
16 AWG (30/30) 1,50mm²				
1021602-OZ	2	0.248" / 6.3mm	47	70
1031603*	3	0.264" / 6.7mm	60	90
1031604*	4	0.287" / 7.3mm	73	109
1031605*	5	0.323" / 8.2mm	88	131
1031607*	7	0.386" / 9.8mm	123	184
1031612*	12	0.476" / 12.1mm	207	309
1031616	16	0.535" / 13.6mm	259	386
1031618	18	0.571" / 14.5mm	295	440
1031621	21	0.634" / 16.1mm	372	555
1031625	25	0.701" / 17.8mm	416	620
1031630	30	0.752" / 19.1mm	523	780
1031634	34	0.780" / 19.8mm	557	830
1031641	41	0.831" / 21.1mm	668	996
1031650	50	0.933" / 23.7mm	838	1250
1031665	65	1.028" / 26.1mm	1075	1602
1031680	80	1.142" / 29.0mm	1255	1871
1031600	100	1.280" / 32.5mm	1578	2353
14 AWG (50/30) 2,50mm²				
1021402-OZ	2	0.299" / 7.6mm	75	112
1031403*	3	0.327" / 8.3mm	99	148
1031404*	4	0.358" / 9.1mm	119	178
1031405*	5	0.402" / 10.2mm	148	221
1031407*	7	0.476" / 12.1mm	205	306
1031412	12	0.598" / 15.2mm	334	498
1031418	18	0.713" / 18.1mm	512	764
1031425	25	0.874" / 22.2mm	700	1044
1031434	34	0.988" / 25.1mm	986	1470
1031442	42	1.071" / 27.2mm	1201	1790
1031450	50	1.181" / 30.0mm	1405	2095

* Available in Flex-OZ (102) - No Ground Wire construction

Sizes continued on next page >

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FLEX-JZ Sizes Continued. (12 AWG and Larger)

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PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
12 AWG (56/28) 4,00mm²				
1031202-OZ	2	0.362" / 9.2mm	131	195
1031203	3	0.390" / 9.9mm	154	230
1031204	4	0.433" / 11.0mm	198	295
1031205	5	0.476" / 12.1mm	242	361
1031207	7	0.524" / 13.3mm	307	458
1031212	12	0.720" / 18.3mm	530	790
10 AWG (84/28) 6,00mm²				
1031003	3	0.461" / 11.7mm	238	355
1031004	4	0.512" / 13.0mm	284	424
1031005	5	0.571" / 14.5mm	352	525
1031007	7	0.634" / 16.1mm	419	625
8 AWG (80/26) 10,0mm²				
1030803	3	0.591" / 15.0mm	362	540
1030804	4	0.661" / 16.8mm	470	701
1030805	5	0.736" / 18.7mm	575	858
1030807	7	0.811" / 20.6mm	741	1105
6 AWG (128/26) 16,0mm²				
1030603	3	0.693" / 17.6mm	555	827
1030604	4	0.776" / 19.7mm	694	1035
1030605	5	0.862" / 21.9mm	844	1259
1030607	7	0.961" / 24.4mm	1194	1780
4 AWG (200/26) 25,0mm²				
1030403	3	0.886" / 22.5mm	795	1186
1030404	4	0.992" / 25.2mm	1061	1582
1030405	5	1.098" / 27.9mm	1341	1999
1030407	7	1.220" / 31.0mm	1895	2825
2 AWG (280/26) 35,0mm²				
1030203	3	1.177" / 29.9mm	1063	1585
1030204	4	1.315" / 33.4mm	1412	2105
1030205	5	1.465" / 37.2mm	1766	2633

** for sizes larger than #2 AWG (35,0) see next product Flex-JB (101)
 * Additional sizes may be available.