

The Mueller Group, Inc.

FLEX-JB colored cores



FLEX-JB is our most standard PVC, flexible, European color coded, 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. (20, 18, 17 & 16 AWG) 450/750V (For 14 AWG and Larger)
- **STRANDING:** VDE 0295 Class 5 - IEC 60228 (fine bare copper)
- **COLOR CODE:** VDE 0293-308 - Colored Cores & 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				
1002002-OB	2	0.189" / 4.8mm	27	40
1012003*	3	0.201" / 5.1mm	31	46
1012004*	4	0.224" / 5.7mm	38	56
1012005*	5	0.244" / 6.2mm	44	65
1012007*	7	0.291" / 7.4mm	54	80
1012012	12	0.358" / 9.1mm	91	135
1012016	16	0.398" / 10.1mm	115	172
1012021	21	0.465" / 11.8mm	161	240
1012024	24	0.504" / 12.8mm	178	265
1012030	30	0.531" / 13.5mm	208	310
1012040	40	0.579" / 14.7mm	291	434
1012050	50	0.665" / 16.9mm	358	534
18 AWG (24/32) 0,75mm²				
1001802-OB	2	0.205" / 5.2mm	31	46
1011803*	3	0.217" / 5.5mm	36	54
1011804*	4	0.244" / 6.2mm	44	66
1011805*	5	0.268" / 6.8mm	54	80
1011807*	7	0.319" / 8.1mm	74	110
1011812	12	0.390" / 9.9mm	120	179
1011818	18	0.469" / 11.9mm	172	257
1011821	21	0.524" / 13.3mm	215	320
1011825	25	0.571" / 14.5mm	245	365
1011832	32	0.614" / 15.6mm	305	455
1011840	40	0.693" / 17.6mm	399	595
1011850	50	0.780" / 19.8mm	469	699
17 AWG (32/32) 1,00mm²				
1001702-OB	2	0.217" / 5.5mm	40	60
1011703*	3	0.236" / 6.0mm	48	72
1011704*	4	0.260" / 6.6mm	58	86
1011705*	5	0.283" / 7.2mm	70	104
1011707*	7	0.339" / 8.6mm	95	141
1011712	12	0.421" / 10.7mm	154	230
1011718*	18	0.500" / 12.7mm	230	343
1011724	24	0.579" / 14.7mm	252	375

* Available in Flex-OB (100) - No Ground Wire construction

Sizes continued on back >

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FLEX-JB Sizes Continued. (16, 14 & 12 AWG)

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PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
17 AWG (32/32) 1,00mm² Cont.				
1011734	34	0.685" / 17.4mm	426	650
1011748	48	0.764" / 19.4mm	549	819
1011756	56	0.846" / 21.5mm	617	920
16 AWG (30/30) 1,50mm²				
1001602-OB	2	0.248" / 6.3mm	47	70
1011603*	3	0.264" / 6.7mm	60	90
1011604*	4	0.287" / 7.3mm	72	109
1011605*	5	0.323" / 8.2mm	88	131
1011607	7	0.386" / 9.8mm	123	184
1011612	12	0.476" / 12.1mm	207	309
1011616	16	0.535" / 13.6mm	259	386
1011618	18	0.571" / 14.5mm	295	440
1011620	21	0.614" / 15.6mm	329	491
1011625	25	0.701" / 17.8mm	416	620
1011632	30	0.752" / 19.1mm	527	785
1011634	34	0.780" / 19.8mm	557	830
1011641	41	0.843" / 21.4mm	675	1006
14 AWG (50/30) 2,50mm²				
1001402-OB	2	0.358" / 9.1mm	75	112
1011403*	3	0.390" / 9.9mm	99	148
1011404*	4	0.433" / 11.0mm	119	178
1011405*	5	0.476" / 12.1mm	148	221
1011407	7	0.575" / 14.6mm	205	306
1011412	12	0.705" / 17.9mm	325	485
1011418	18	0.854" / 21.7mm	512	764
1011425	25	1.043" / 26.5mm	700	1044
1011432	32	1.252" / 31.8mm	930	1386
1011450	50	1.500" / 38.1mm	1405	2095
1011461	61	1.583" / 40.2mm	1845	2750
12 AWG (56/28) 4,00mm²				
1001202-OB	2	0.409" / 10.4mm	131	195
1011203	3	0.441" / 11.2mm	159	235
1011204	4	0.492" / 12.5mm	198	295
1011205	5	0.547" / 13.9mm	242	361
1011207	7	0.661" / 16.8mm	334	498
1011212	12	0.886" / 22.5mm	514	767

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Sizes continued on next page >

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FLEX-JB Sizes Continued. (10 AWG and Larger)

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PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
10 AWG (84/28) 6,00mm²				
1011003	3	0.496" / 12.6mm	238	355
1011004	4	0.551" / 14.0mm	284	424
1011005	5	0.610" / 15.5mm	352	525
1011007	7	0.748" / 19.0mm	419	625
8 AWG (80/26) 10,0mm²				
1010803	3	0.630" / 16.0mm	410	611
1010804	4	0.713" / 18.1mm	470	701
1010805	5	0.787" / 20.0mm	575	858
1010807	7	0.909" / 23.1mm	742	1106
6 AWG (128/26) 16,0mm²				
1010603	3	0.728" / 18.5mm	612	912
1010604	4	0.819" / 20.8mm	694	1035
1010605	5	0.906" / 23.0mm	844	1259
4 AWG (200/26) 25,0mm²				
1010403	3	0.917" / 23.3mm	931	1388
1010404	4	1.024" / 26.0mm	1060	1581
1010405	5	1.142" / 29.0mm	1339	1997
2 AWG (280/26) 35,0mm²				
1010203	3	1.047" / 26.6mm	1185	1767
1010204	4	1.169" / 29.7mm	1412	2105
1010205	5	1.303" / 33.1mm	1768	2636
1 AWG (400/26) 50,0mm²				
1010103	3	1.189" / 30.2mm	1714	2556
1010104	4	1.335" / 33.9mm	1972	2940
2/0 AWG (356/24) 70,0mm²				
1012103	3	1.461" / 37.1mm	2134	3182
1012104	4	1.638" / 41.6mm	2742	4090
3/0 AWG (485/24) 95,0mm²				
1013103	3	1.638" / 40.1mm	3136	4676
1013104	4	1.764" / 44.8mm	3716	5540
4/0 AWG (614/24) 120,0mm²				
1014103	3	1.791" / 45.5mm	3776	5630
1014104	4	2.000" / 50.8mm	4695	7000

* Additional sizes may be available.