

## FLEX-CY-JZ Reduced Diameter



**FLEX-CY-JZ** is an oil-resistant PVC, reduced diameter power and control cable with a tinned copper wire braid. Suitable for fixed or flexible applications. Used as a measuring, regulating and control cable used in machine tool, plant engineering and construction, assembly and production lines and other applications in electrical equipment. Designed for free and unrestricted movements without exposure to tensile loads. Due to the tinned copper braiding, **FLEX-CY-JZ** cables are suitable for interference-free data and signal transmissions in signal and control applications or where greater electromagnetic compatibility is required. The common inner PVC jacket is replaced by a foil separator giving this cable a reduced diameter, bending radius and weight. 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
- Plastic foil separator
- 85% Tinned Copper Braid
- Gray PVC outer jacket (RAL 7001)
- "OZ" denotes no ground wire
- **Extremely oil & chemical resistant**

### Technical:

- Working voltage: 300/500 volts
- Test voltage: 4000 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 5 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 Part 13
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>20 AWG (16/32) 0,50mm<sup>2</sup></b>				
1342002 OZ	2	0.224" / 5.7mm	19	30
1352003	3	0.236" / 6.0mm	26	37
1352004	4	0.256" / 6.5mm	31	41
1352005	5	0.276" / 7.0mm	35	50
1352007	7	0.311" / 7.9mm	46	66
1352012	12	0.378" / 9.6mm	78	105
1352014	14	0.393" / 10.0mm	82	127
1352018	18	0.441" / 11.2mm	102	146
1352021	21	0.492" / 12.5mm	127	168
1352025	25	0.531" / 13.5mm	168	211
1352030	30	0.551" / 14.0mm	199	241
1352034	34	0.602" / 15.3mm	209	290
1352040	40	0.646" / 16.4mm	231	326
1352050	50	0.713" / 18.1mm	273	384
1352061	61	0.779" / 19.8mm	389	438
1352080	80	0.862" / 21.9mm	463	926
1352000	100	0.957" / 24.3mm	546	667
<b>18 AWG (24/32) 0,75mm<sup>2</sup></b>				
1341802 OZ	2	0.240" / 6.1mm	25	40
1351803	3	0.252" / 6.4mm	34	44
1351804	4	0.272" / 6.9mm	38	52
1351805	5	0.291" / 7.4mm	47	62
1351807	7	0.339" / 8.6mm	64	87
1351812	12	0.409" / 10.4mm	101	135
1351816	16	0.457" / 11.6mm	123	185
1351818	18	0.488" / 12.4mm	139	196
1351821	21	0.543" / 13.8mm	165	254
1351825	25	0.594" / 15.1mm	186	278
1351834	34	0.614" / 15.6mm	235	337
1351840	40	0.665" / 16.9mm	265	417
1351850	50	0.787" / 20.0mm	322	521
1351861	61	0.862" / 21.9mm	372	604
1351880	80	0.956" / 24.3mm	480	812
1351800	100	1.055" / 26.8mm	610	970
<b>17 AWG (32/32) 1,00mm<sup>2</sup></b>				
1341702 OZ	2	0.252" / 6.4mm	31	44
1351703	3	0.264" / 6.7mm	38	54

Sizes continued on next page.

## FLEX-CY-JZ Reduced Diameter



### FLEX-CY-JZ Sizes Continued. ( 17 AWG and Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>17 AWG (32/32) 1,00mm2 Cont.</b>				
1351704	4	0.287" / 7.3mm	46	66
1351705	5	0.307" / 7.8mm	60	85
1351707	7	0.358" / 9.1mm	74	106
1351712	12	0.441" / 11.2mm	113	174
1351714	14	0.465" / 11.8mm	133	203
1351718	18	0.520" / 13.2mm	164	255
1351725	25	0.638" / 16.2mm	223	358
1351734	34	0.709" / 18.0mm	294	497
1351741	41	0.764" / 19.4mm	342	565
1351750	50	0.843" / 21.4mm	419	688
<b>16 AWG (30/30) 1,50mm2</b>				
1341602 OZ	2	0.276" / 7.0mm	42	59
1351603	3	0.291" / 7.4mm	51	67
1351604	4	0.319" / 8.1mm	66	85
1351605	5	0.350" / 8.9mm	78	107
1351607	7	0.413" / 10.5mm	102	140
1351612	12	0.504" / 12.8mm	149	227
1351618	18	0.598" / 15.2mm	247	321
1351625	25	0.728" / 18.5mm	335	473
1351634	34	0.819" / 20.8mm	433	647
1351641	41	0.886" / 22.5mm	486	718
1351650	50	0.965" / 24.5mm	594	865
<b>14 AWG (50/30) 2,50mm2</b>				
1341402 OZ	2	0.327" / 8.3mm	64	87
1351403	3	0.354" / 9.0mm	98	112
1351404	4	0.386" / 9.8mm	117	131
1351405	5	0.429" / 10.9mm	134	150
1351407	7	0.504" / 12.8mm	158	231
1351412	12	0.626" / 15.9mm	296	382
<b>12 AWG (56/28) 4,00mm2</b>				
1341202 OZ	2	0.386" / 9.8mm	91	124
1351203	3	0.417" / 10.6mm	119	161
1351204	4	0.453" / 11.5mm	161	208
1351205	5	0.500" / 12.7mm	220	258
1351207	7	0.555" / 14.1mm	238	335
<b>10 AWG (84/28) 6,00mm2</b>				
1341002 OZ	2	0.453" / 11.5mm	117	180
1351003	3	0.488" / 12.4mm	161	221
1351004	4	0.543" / 13.8mm	225	278
1351005	5	0.618" / 15.7mm	296	341
1351007	7	0.654" / 16.6mm	339	451
<b>8 AWG (80/26) 10,0mm2</b>				
1340802 OZ	2	0.587" / 14.9mm	178	285
1350803	3	0.626" / 15.9mm	248	335
1350804	4	0.701" / 17.8mm	325	525
1350805	5	0.772" / 19.6mm	479	574
<b>6 AWG (128/26) 16,0mm2</b>				
1350604	4	0.819" / 20.8mm	543	590
1350605	5	0.902" / 22.9mm	704	869
<b>4 AWG (200/26) 25,0mm2</b>				
1350404	4	1.031" / 26.2mm	781	1052
1350405	5	1.157" / 29.4mm	966	1318
<b>2 AWG (280/26) 35,0mm2</b>				
1350204	4	1.197" / 30.4mm	1057	1388
1350205	5	1.331" / 33.8mm	1295	1804

\* Additional sizes may be available.