

FLEX-CY-OZ Reduced Diameter



FLEX-CY-OZ 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-OZ** 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. The "OZ" construction offers all black and numbered cores with no ground wire. 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 - **No Ground Wire**
- 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
20 AWG (16/32) 0,50mm2				
1342002	2	0.224" / 5.7mm	19	30
1342003	3	0.236" / 6.0mm	26	37
1342004	4	0.256" / 6.5mm	31	41
1342005	5	0.276" / 7.0mm	35	50
1342007	7	0.311" / 7.9mm	46	66
1342012	12	0.378" / 9.6mm	78	105
1342014	14	0.393" / 10.0mm	82	127
1342018	18	0.441" / 11.2mm	102	146
1342020	20	0.468" / 11.9mm	116	161
1342025	25	0.531" / 13.5mm	168	211
1342030	30	0.551" / 14.0mm	199	241
1342034	34	0.602" / 15.3mm	209	290
1342040	40	0.646" / 16.4mm	231	326
1342050	50	0.713" / 18.1mm	273	384
1342061	61	0.779" / 19.8mm	389	438
1342080	80	0.862" / 21.9mm	463	926
1342000	100	0.957" / 24.3mm	546	667
18 AWG (24/32) 0,75mm2				
1341802	2	0.240" / 6.1mm	25	40
1341803	3	0.252" / 6.4mm	34	44
1341804	4	0.272" / 6.9mm	38	52
1341805	5	0.291" / 7.4mm	47	62
1341807	7	0.339" / 8.6mm	64	87
1341812	12	0.409" / 10.4mm	101	135
1341816	16	0.457" / 11.6mm	123	185
1341818	18	0.488" / 12.4mm	139	196
1341821	21	0.543" / 13.8mm	165	254
1341825	25	0.594" / 15.1mm	186	278
1341834	34	0.614" / 15.6mm	235	337
1341840	40	0.665" / 16.9mm	265	417
1341850	50	0.787" / 20.0mm	322	521
1341861	61	0.862" / 21.9mm	372	604
1341880	80	0.956" / 24.3mm	480	812
1341800	100	1.055" / 26.8mm	610	970
17 AWG (32/32) 1,00mm2				
1341702	2	0.252" / 6.4mm	31	44
1341703	3	0.264" / 6.7mm	38	54

Sizes continued on next page.

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

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (32/32) 1,00mm2 Cont.				
1341704	4	0.287" / 7.3mm	46	66
1341705	5	0.307" / 7.8mm	60	85
1341707	7	0.358" / 9.1mm	74	106
1341712	12	0.441" / 11.2mm	113	174
1341714	14	0.465" / 11.8mm	133	203
1341718	18	0.520" / 13.2mm	164	255
1341725	25	0.638" / 16.2mm	223	358
1341734	34	0.709" / 18.0mm	294	497
1341741	41	0.764" / 19.4mm	342	565
1341750	50	0.843" / 21.4mm	419	688
16 AWG (30/30) 1,50mm2				
1341602	2	0.276" / 7.0mm	42	59
1341603	3	0.291" / 7.4mm	51	67
1341604	4	0.319" / 8.1mm	66	85
1341605	5	0.350" / 8.9mm	78	107
1341607	7	0.413" / 10.5mm	102	140
1341612	12	0.504" / 12.8mm	149	227
1341618	18	0.598" / 15.2mm	247	321
1341625	25	0.728" / 18.5mm	335	473
1341634	34	0.819" / 20.8mm	433	647
1341641	41	0.886" / 22.5mm	486	718
1341650	50	0.965" / 24.5mm	594	865
14 AWG (50/30) 2,50mm2				
1341402	2	0.327" / 8.3mm	64	87
1341403	3	0.354" / 9.0mm	98	112
1341404	4	0.386" / 9.8mm	117	131
1341405	5	0.429" / 10.9mm	134	150
1341407	7	0.504" / 12.8mm	158	231
1341412	12	0.626" / 15.9mm	296	382
12 AWG (56/28) 4,00mm2				
1341202	2	0.386" / 9.8mm	91	124
1341203	3	0.417" / 10.6mm	119	161
1341204	4	0.453" / 11.5mm	161	208
1341205	5	0.500" / 12.7mm	220	258
1341207	7	0.555" / 14.1mm	238	335
10 AWG (84/28) 6,00mm2				
1341002	2	0.453" / 11.5mm	117	180
1341003	3	0.488" / 12.4mm	161	221
1341004	4	0.543" / 13.8mm	225	278
1341005	5	0.618" / 15.7mm	296	341
1341007	7	0.654" / 16.6mm	339	451
8 AWG (80/26) 10,0mm2				
1340802	2	0.587" / 14.9mm	178	285
1340803	3	0.626" / 15.9mm	248	335
1340804	4	0.701" / 17.8mm	325	525
1340805	5	0.772" / 19.6mm	479	574

* Additional sizes may be available.

Flexible Control Cables