

## FLEX-CY-OZ

PVC, Black Cores, Shielded, No Ground, 300/500V



**FLEX-CY-OZ** is an oil-resistant PVC, reduced diameter power and control cable with a tinned copper wire braid. 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 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 green/yellow ground wire. Outdoor installation is not permitted.

### ► Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-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 (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
<b>20 AWG (16/32) 0,50mm<sup>2</sup></b>					
1342002	2	0.213"	5.4mm	24	30
1342003	3	0.224"	5.7mm	29	40
1342004	4	0.248"	6.3mm	33	52
1342005	5	0.267"	6.7mm	38	60
1342007	7	0.295"	7.5mm	46	75
1342012	12	0.378"	9.6mm	78	134
1342018	18	0.453"	11.5mm	105	146
1342025	25	0.535"	13.6mm	168	235
<b>18 AWG (24/32) 0,75mm<sup>2</sup></b>					
1341802	2	0.232"	5.9mm	29	38
1341803	3	0.244"	6.2mm	35	40
1341804	4	0.268"	6.8mm	41	64
1341805	5	0.295"	7.5mm	48	73
1341807	7	0.339"	8.6mm	66	87
1341825	25	0.549"	15.1mm	188	292
<b>17 AWG (32/32) 1,00mm<sup>2</sup></b>					
1341702	2	0.248"	6.3mm	34	48
1341703	3	0.265"	7.0mm	47	60
1341704	4	0.280"	7.1mm	54	72
1341705	5	0.311"	7.9mm	64	85
1341707	7	0.335"	8.5mm	80	115
1341712	12	0.441"	11.2mm	113	174
<b>16 AWG (30/30) 1,50mm<sup>2</sup></b>					
1341602	2	0.276"	7.0mm	44	60
1341603	3	0.299"	7.6mm	47	78
1341604	4	0.327"	8.3mm	74	101
1341605	5	0.354"	9.0mm	84	118
1341607	7	0.382"	9.7mm	105	147



Sizes continued on next page.