

FLEX-OZ Numbered Cores - No Ground



FLEX-OZ is our most standard PVC, flexible, oil-resistant, multi-conductor power and control cable designed for use in all electrical equipment in dry, damp and wet conditions. The **FLEX-OZ** construction offers all black and numbered cores with no green/yellow ground wire. For use in flexible or stationary applications under medium mechanical stress with free movement without any tensile stress, loads or forced movements. Common applications include connections and control to CNC machines, machine tools, control systems, assembly lines, control panel to machine connections, grinding machines and bottling equipment. Found in plant engineering, paint shops, power stations and refrigeration plants. 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**
- No ground wire
- PVC outer jacket - gray (RAL 7001)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500 volts
- Test voltage: 4000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 4 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, 0293 & 0295
- 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				
1022002	2	0.189" / 4.8mm	7	27
1022003	3	0.201" / 5.1mm	9	30
1022004	4	0.224" / 5.7mm	13	38
1022005	5	0.244" / 6.2mm	16	44
1022007	7	0.291" / 7.4mm	23	54
1022012	12	0.358" / 9.1mm	39	91
18 AWG (24/32) 0,75mm²				
1021802	2	0.205" / 5.2mm	9	31
1021803	3	0.217" / 5.5mm	15	36
1021804	4	0.244" / 6.2mm	19	44
1021805	5	0.268" / 6.8mm	24	54
1021807	7	0.319" / 8.1mm	34	74
1021812	12	0.390" / 9.9mm	58	120
17 AWG (32/32) 1,00mm²				
1021702	2	0.217" / 5.5mm	13	40
1021703	3	0.236" / 6.0mm	19	48
1021704	4	0.260" / 6.6mm	25	58
1021705	5	0.283" / 7.2mm	32	70
1021707	7	0.339" / 8.6mm	45	95
1021712	12	0.421" / 10.7mm	77	154
1021718	18	0.500" / 12.7mm	116	230
1021725	25	0.614" / 15.6mm	161	325
16 AWG (30/30) 1,50mm²				
1021602	2	0.248" / 6.3mm	19	47
1021603	3	0.264" / 6.7mm	29	60
1021604	4	0.287" / 7.3mm	39	73
1021605	5	0.323" / 8.2mm	48	88
1021607	7	0.386" / 9.8mm	68	123
1021612	12	0.476" / 12.1mm	116	207
14 AWG (50/30) 2,50mm²				
1021402	2	0.299" / 7.6mm	32	75
1021403	3	0.327" / 8.3mm	48	99
1021404	4	0.358" / 9.1mm	64	119
1021405	5	0.402" / 10.2mm	80	148
1021407	7	0.476" / 12.1mm	113	205
12 AWG (56/28) 4,00mm²				
1021202	2	0.362" / 9.2mm	52	131

Additional Sizes may be available.