

FLEX-UL-P UL/CSA/CE



FLEX-UL-P is polyurethane, flexible, oil-resistant, multi-conductor power and control cable designed for use in all electrical equipment in dry, damp and wet conditions. Especially designed for the North American market by carrying UL and CSA approvals. For use in flexible or stationary applications under high 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. The rugged polyurethane outer jacket ensures excellent chemical, coolant, abrasion and tear resistance making **FLEX-UL-P** suitable for applications in contact with mineral oils and chemicals. 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 - black & numbered
- Ground wire in outer layer
- PUR outer jacket - gray (RAL 7001)
- "OZ" denotes no ground wire
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500 (600v UL)
- Test voltage: 3000 volts
- Flexing bending radius: 12.5 x Ø
- Static bending radius: 5 x Ø
- Flexing temp: -5° C to +80° C
- Static temp: -30° C to +80° C
- Flame retardant: IEC 60332.1, FT1
- Insulation resistance: 20 MΩ x km

Approvals:

- UL Style 10012 / 20234
- CSA AWM II A/B FT1
- VDE 0250 & 0282
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
21 AWG (16/32) 0,50mm2				
1702102 OZ	2	0.244" / 6.2mm	7	35
1702103	3	0.256" / 6.5mm	9	39
1702104	4	0.276" / 7.0mm	13	47
1702105	5	0.299" / 7.6mm	16	54
1702107	7	0.323" / 8.2mm	23	67
1702109	9	0.382" / 9.7mm	29	81
1702112	12	0.417" / 10.6mm	39	98
1702118	18	0.484" / 12.3mm	58	138
1702125	25	0.583" / 14.8mm	80	176
19 AWG (24/32) 0,75mm2				
1701902 OZ	2	0.268" / 6.8mm	9	40
1701903	3	0.283" / 7.2mm	15	48
1701904	4	0.303" / 7.7mm	19	58
1701905	5	0.327" / 8.3mm	24	70
1701907	7	0.354" / 9.0mm	34	85
1701909	9	0.413" / 10.5mm	43	100
1701912	12	0.453" / 11.5mm	58	119
1701918	18	0.528" / 13.4mm	87	170
1701925	25	0.626" / 15.9mm	121	226
18 AWG (32/32) 1,00mm2				
1701802 OZ	2	0.276" / 7.0mm	13	45
1701803	3	0.291" / 7.4mm	19	52
1701804	4	0.311" / 7.9mm	25	64
1701805	5	0.339" / 8.6mm	32	75
1701807	7	0.366" / 9.3mm	45	92
1701809	9	0.433" / 11.0mm	58	115
1701812	12	0.476" / 12.1mm	77	143
1701818	18	0.563" / 14.3mm	116	203
1701825	25	0.669" / 17.0mm	161	264
1701834	34	0.776" / 19.7mm	219	364
1701841	41	0.850" / 21.6mm	264	419
1701850	50	0.906" / 23.0mm	322	487
16 AWG (30/30) 1,50mm2				
1701602 OZ	2	0.299" / 7.6mm	19	53
1701603	3	0.315" / 8.0mm	29	63

Sizes continued on next page.

FLEX-UL-P UL/CSA/CE



FLEX-UL-P Sizes Continued. (16 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
16 AWG (30/30) 1,50mm2 Cont.				
1701604	4	0.343" / 8.7mm	39	77
1701605	5	0.370" / 9.4mm	48	91
1701607	7	0.421" / 10.7mm	68	114
1701609	9	0.472" / 12.0mm	87	142
1701612	12	0.524" / 13.3mm	116	178
1701618	18	0.610" / 15.5mm	175	254
1701625	25	0.728" / 18.5mm	243	335
1701634	34	0.854" / 21.7mm	320	434
1701641	41	0.937" / 23.8mm	398	533
1701650	50	0.988" / 25.1mm	483	641
14 AWG (50/30) 2,50mm2				
1701402 OZ	2	0.339" / 8.6mm	32	77
1701403	3	0.358" / 9.1mm	48	96
1701404	4	0.390" / 9.9mm	64	124
1701405	5	0.425" / 10.8mm	80	148
1701407	7	0.461" / 11.7mm	113	197
1701409	9	0.547" / 13.9mm	145	288
1701412	12	0.602" / 15.3mm	193	378
1701418	18	0.705" / 17.9mm	290	573
1701425	25	0.906" / 23.0mm	402	797
12 AWG (56/28) 4,00mm2				
1701203	3	0.441" / 11.2mm	77	156
1701204	4	0.492" / 12.5mm	103	200
1701205	5	0.543" / 13.8mm	129	240
1701207	7	0.642" / 16.3mm	180	309
10 AWG (84/28) 6,00mm2				
1701003	3	0.508" / 12.9mm	116	241
1701004	4	0.559" / 14.2mm	155	270
1701005	5	0.626" / 15.9mm	193	325
1701007	7	0.764" / 19.4mm	270	423
8 AWG (80/26) 10,0mm2				
1700803	3	0.665" / 16.9mm	193	359
1700804	4	0.728" / 18.5mm	258	438
1700805	5	0.799" / 20.3mm	322	527
1700807	7	0.878" / 22.3mm	451	738
6 AWG (128/26) 16,0mm2				
1700603	3	0.807" / 20.5mm	309	543
1700604	4	0.906" / 23.0mm	413	701
1700605	5	1.004" / 25.5mm	515	845
1700607	7	1.110" / 28.2mm	721	1180
4 AWG (200/26) 25,0mm2				
1700403	3	0.984" / 25.0mm	483	791
1700404	4	1.106" / 28.1mm	644	1011
1700405	5	1.217" / 30.9mm	805	1246
1700407	7	1.398" / 35.5mm	1127	1698
2 AWG (280/26) 35,0mm2				
1700203	3	1.126" / 28.6mm	676	1066
1700204	4	1.248" / 31.7mm	901	1424
1 AWG (400/26) 50,0mm2				
1700104	4	1.409" / 35.8mm	1288	2051
2/0 AWG (356/24) 70,0mm2				
1702004	4	1.638" / 41.6mm	1803	2853
3/0 AWG (485/24) 95,0mm2				
1703104	4	1.811" / 46.0mm	2447	3865
4/0 AWG (614/24) 120,0mm2				
1704104	4	2.079" / 52.8mm	3091	4883

* Additional sizes may be available.