

## FLEX-UL-CP UL/CSA/CE



**FLEX-UL-CP** is polyurethane, flexible, oil-resistant, overall shielded, 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 tinned copper braid provides interference-free data and signal transmissions and greater protection against electromagnetic distortion. The rugged polyurethane outer jacket ensures excellent chemical, coolant, abrasion and tear resistance making **FLEX-UL-CP** 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 Cl-5
- Special PVC core insulation
- Color code VDE-0293 - black & numbered
- Gray inner PVC jacket
- 85% Tinned Copper Braid
- 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: 15 x Ø
- Static bending radius: 7 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
<b>21 AWG (16/32) 0,50mm2</b>				
1712102 OZ	2	0.276" / 7.0mm	15	46
1712103	3	0.287" / 7.3mm	19	56
1712104	4	0.307" / 7.8mm	23	65
1712105	5	0.331" / 8.4mm	28	73
1712107	7	0.354" / 9.0mm	35	85
1712109	9	0.409" / 10.4mm	44	103
1712112	12	0.445" / 11.3mm	56	116
1712118	18	0.520" / 13.2mm	88	164
1712125	25	0.610" / 15.5mm	117	213
<b>19 AWG (24/32) 0,75mm2</b>				
1711902 OZ	2	0.291" / 7.4mm	19	54
1711903	3	0.307" / 7.8mm	24	64
1711904	4	0.327" / 8.3mm	30	74
1711905	5	0.350" / 8.9mm	36	84
1711907	7	0.378" / 9.6mm	47	101
1711909	9	0.437" / 11.1mm	60	121
1711912	12	0.476" / 12.1mm	76	146
1711918	18	0.559" / 14.2mm	120	202
1711925	25	0.657" / 16.7mm	161	262
<b>18 AWG (32/32) 1,00mm2</b>				
1711802 OZ	2	0.299" / 7.6mm	22	61
1711803	3	0.315" / 8.0mm	30	71
1711804	4	0.335" / 8.5mm	38	82
1711805	5	0.362" / 9.2mm	46	94
1711807	7	0.390" / 9.9mm	59	116
1711809	9	0.453" / 11.5mm	75	140
1711812	12	0.500" / 12.7mm	96	176
1711818	18	0.587" / 14.9mm	150	239
1711825	25	0.693" / 17.6mm	202	311
1711834	34	0.807" / 20.5mm	282	426
1711841	41	0.870" / 22.1mm	338	500
1711850	50	0.937" / 23.8mm	397	599
<b>16 AWG (30/30) 1,50mm2</b>				
1711602 OZ	2	0.323" / 8.2mm	30	72

Sizes continued on next page.

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

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>16 AWG (30/30) 1,50mm2 Cont.</b>				
1711603	3	0.339" / 8.6mm	60	82
1711604	4	0.366" / 9.3mm	65	96
1711605	5	0.394" / 10.0mm	74	112
1711607	7	0.425" / 10.8mm	99	137
1711609	9	0.496" / 12.6mm	129	168
1711612	12	0.551" / 14.0mm	172	215
1711618	18	0.638" / 16.2mm	255	294
1711625	25	0.764" / 19.4mm	365	382
1711634	34	0.874" / 22.2mm	452	642
1711641	41	0.984" / 25.0mm	591	749
1711650	50	1.094" / 27.8mm		998
<b>14 AWG (50/30) 2,50mm2</b>				
1711402 OZ	2	0.362" / 9.2mm	49	96
1711403	3	0.382" / 9.7mm	74	126
1711404	4	0.413" / 10.5mm	95	170
1711405	5	0.449" / 11.4mm	113	220
1711407	7	0.484" / 12.3mm	169	287
1711409	9	0.579" / 14.7mm	219	389
1711412	12	0.634" / 16.1mm	288	510
1711418	18	0.714" / 18.1mm	429	764
1711425	25	0.843" / 21.4mm	598	1040
<b>12 AWG (56/28) 4,00mm2</b>				
1711203	3	0.516" / 13.1mm	133	208
1711204	4	0.575" / 14.6mm	156	306
1711205	5	0.622" / 15.8mm	184	357
1711207	7	0.752" / 19.1mm	265	494
<b>10 AWG (84/28) 6,00mm2</b>				
1711003	3	0.598" / 15.2mm	162	276
1711004	4	0.654" / 16.6mm	212	384
1711005	5	0.724" / 18.4mm	276	491
1711007	7	0.874" / 22.2mm	382	645
<b>8 AWG (80/26) 10,0mm2</b>				
1710803	3	0.724" / 19.1mm	279	497
1710804	4	0.831" / 21.1mm	383	663
1710805	5	0.937" / 23.8mm	463	806
1710807	7	1.043" / 26.5mm	651	1169
<b>6 AWG (128/26) 16,0mm2</b>				
1710603	3	0.953" / 24.2mm	443	730
1710604	4	1.071" / 27.2mm	551	1115
1710605	5	1.205" / 30.6mm	756	1356
1710607	7	1.323" / 33.6mm	1014	1824
<b>4 AWG (200/26) 25,0mm2</b>				
1710403	3	1.189" / 30.2mm	732	1306
1710404	4	1.315" / 33.4mm	968	1738
1710405	5	1.449" / 36.8mm	1209	2144
1710407	7	1.598" / 40.6mm	1690	3038
<b>2 AWG (280/26) 35,0mm2</b>				
1710203	3	1.331" / 33.8mm	1007	1812
1710204	4	1.484" / 37.7mm	1267	2198
<b>1 AWG (400/26) 50,0mm2</b>				
1710104	4	1.646" / 41.8mm	1482	2260
<b>2/0 AWG (356/24) 70,0mm2</b>				
1712004	4	1.850" / 47.0mm	1955	3105
<b>3/0 AWG (485/24) 95,0mm2</b>				
1713104	4	2.008" / 51.0mm	2629	4101
<b>4/0 AWG (614/24) 120,0mm2</b>				
1714104	4	2.283" / 58.0mm	3419	4975

\* Additional sizes may be available.