

# The Mueller Group, Inc.

## FLEX-UL-P



**FLEX-UL-P** is a gray, oil-resistant, polyurethane, UL/CSA and CE approved, flexible multi-conductor control cable designed for use in all electrical equipment in dry, damp and wet conditions. Common applications include CNC machines, machine tools, control systems, assembly lines, control panel to machine connections, grinding machines and bottling equipment. The polyurethane jacket ensures excellent chemical, coolant, abrasion and tear resistance.



- **BENDING RADIUS:** 7.5 x Cable Diameter
- **TEMPERATURE:** -40° C. to +80° C. (Flame protection to IEC 60332.1)
- **RATED WORKING VOLTAGE:** 300/500V. (600V UL/CSA)
- **STRANDING:** VDE 0295 Class 5 - IEC 60228 (fine bare copper)
- **COLOR CODE:** VDE 0293 - Black Cores w/ White Numbers & Green/Yellow Ground. \*OZ has NO ground
- **APPROVALS:** UL-AWM Style 20234, CSA-AWM II A/B FT1, CE Low-Voltage Directive & ROHS Compliant.

PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
<b>20 AWG (16/32) 0,50mm<sup>2</sup></b>				
1702002 OZ	2	0.232" / 5.9mm	35	52
1702003	3	0.248" / 6.3mm	43	64
1702004	4	0.264" / 6.7mm	48	72
1702005	5	0.287" / 7.3mm	59	88
1702007	7	0.335" / 8.5mm	87	130
1702012	12	0.429" / 10.9mm	131	196
1702018	18	0.508" / 12.9mm	174	260
1702025	25	0.610" / 15.5mm	247	368
<b>18 AWG (24/32) 1,00mm<sup>2</sup></b>				
1701802 OZ	2	0.248" / 6.3mm	38	57
1701803	3	0.264" / 6.7mm	46	68
1701804	4	0.287" / 7.3mm	53	79
1701805	5	0.311" / 7.9mm	65	97
1701807	7	0.362" / 9.2mm	95	141
1701812	12	0.465" / 11.8mm	142	211
1701818	18	0.555" / 14.1mm	190	284
1701825	25	0.673" / 17.1mm	264	394
1701834	34	0.760" / 19.3mm	349	521
1701841	41	0.835" / 21.2mm	408	609
<b>16 AWG (30/30) 1,50mm<sup>2</sup></b>				
1701602 OZ	2	0.272" / 6.9mm	50	75
1701603	3	0.295" / 7.5mm	64	96
1701604	4	0.319" / 8.1mm	78	117
1701605	5	0.343" / 8.7mm	94	140
1701607	7	0.417" / 10.6mm	124	186
1701609	9	0.528" / 13.4mm	164	244
1701612	12	0.528" / 13.4mm	214	319
1701618	18	0.622" / 15.8mm	303	451
1701625	25	0.744" / 18.9mm	419	625
1701634	34	0.854" / 21.7mm	570	850
1701641	41	0.933" / 23.7mm	698	1041

Sizes continued on next page.

## FLEX-UL-P



### FLEX-UL-P Sizes Continued.

PART NUMBER	CORES	NOMINAL OD	LBS/MFT	KG/KM
<b>14 AWG (50/30) 2,50mm<sup>2</sup></b>				
1701402 OZ	2	0.323" / 8.2mm	77	115
1701403	3	0.343" / 8.7mm	96	143
1701404	4	0.398" / 10.1mm	124	185
1701405	5	0.429" / 10.9mm	148	221
1701407	7	0.516" / 13.1mm	197	293
1701412	12	0.657" / 16.7mm	378	563
1701418	18	0.772" / 19.6mm	573	854
1701425	25	0.945" / 24.0mm	797	1188
<b>12 AWG (56/28) 4,00mm<sup>2</sup></b>				
1701203	3	0.441" / 11.2mm	156	232
1701204	4	0.492" / 12.5mm	200	298
1701205	5	0.543" / 13.8mm	240	358
1701207	7	0.642" / 16.3mm	309	460
<b>10 AWG (84/28) 6,00mm<sup>2</sup></b>				
1701003	3	0.508" / 12.9mm	241	360
1701004	4	0.559" / 14.2mm	270	402
1701005	5	0.626" / 15.9mm	325	484
<b>8 AWG (80/26) 10,0mm<sup>2</sup></b>				
1700804	4	0.728" / 18.5mm	438	653
1700805	5	0.799" / 20.3mm	527	786
<b>6 AWG (128/26) 16,0mm<sup>2</sup></b>				
1700604	4	0.913" / 23.2mm	701	1045
1700605	5	1.012" / 25.7mm	845	1260
<b>4 AWG (200/26) 25,0mm<sup>2</sup></b>				
1700404	4	1.106" / 28.1mm	1011	1507
1700405	5	1.217" / 30.9mm	1246	1858
<b>2 AWG (280/26) 35,0mm<sup>2</sup></b>				
1700204	4	1.248" / 31.7mm	1424	2123
<b>1 AWG (400/26) 50,0mm<sup>2</sup></b>				
1700104	4	1.409" / 35.8mm	2051	3058
<b>2/0 AWG (356/24) 70,0mm<sup>2</sup></b>				
1702104	4	1.638" / 41.6mm	2853	4254
<b>3/0 AWG (485/24) 95,0mm<sup>2</sup></b>				
1703104	4	1.811" / 46.0mm	3865	5762
<b>4/0 AWG (614/24) 120,0mm<sup>2</sup></b>				
1704104	4	2.079" / 52.8mm	4883	7280

\* Additional sizes may be available.