

EXTRAFLEX-P



EXTRAFLEX-P is a polyurethane, high flex, heavy-duty, oil-resistant, continuous flex multi-conductor cable designed for use in the machine tool industry, robotics, machine production and drag chains where high flexibility is essential. Suitable for use in flexible and stationary applications under medium mechanical stress with free movements in dry, damp and wet areas. Applications include gantry robots, cable tracks, power chains, connection cables, pick and place units, automated handling equipment, conveyor systems and applications that require a small bending radius. The rugged PUR jacket adds high abrasion and tear resistance along with good chemical resistance to coolants and mineral oils. Designed and qualified for a service life of at least 5 million alternating bending cycles in power chains. Outdoor installation is not permitted.



Construction:

- Extra fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special PVC core insulation
- Color code VDE-0293 - black & numbered
- Ground wire in outer layer
- Fleece wrap over cores
- Full-PUR outer jacket - gray (RAL 7001)
- "OZ" denotes no ground wire
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500 volts
- Test voltage: 4000 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -40° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- VDE-0245, 0281, 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
20 AWG (28/34) 0,50mm2				
2202002 OZ	2	0.213" / 5.4mm	7	30
2202003	3	0.232" / 5.9mm	9	38
2202004	4	0.248" / 6.3mm	13	46
2202005	5	0.272" / 6.9mm	16	62
2202007	7	0.307" / 7.8mm	23	85
2202008	8	0.339" / 8.6mm	25	91
2202010	10	0.378" / 9.6mm	32	106
2202012	12	0.406" / 10.3mm	39	118
2202018	18	0.453" / 11.5mm	58	190
2202021	21	0.496" / 12.6mm	64	208
2202025	25	0.535" / 13.6mm	80	221
2202034	34	0.594" / 15.1mm	109	282
2202041	41	0.626" / 15.9mm	135	335
2202050	50	0.708" / 18.0mm	161	389
18 AWG (42/34) 0,75mm2				
2201802 OZ	2	0.232" / 5.9mm	9	38
2201803	3	0.244" / 6.2mm	15	48
2201804	4	0.264" / 6.7mm	19	65
2201805	5	0.287" / 7.3mm	24	80
2201807	7	0.343" / 8.7mm	34	111
2201808	8	0.374" / 9.5mm	39	127
2201810	10	0.413" / 10.5mm	48	144
2201812	12	0.437" / 11.1mm	58	166
2201814	14	0.449" / 11.4mm	68	190
2201816	16	0.472" / 12.0mm	77	215
2201818	18	0.496" / 12.6mm	87	239
2201821	21	0.551" / 14.0mm	101	337
2201825	25	0.598" / 15.2mm	121	468
2201834	34	0.673" / 17.1mm	164	516
2201841	41	0.728" / 18.5mm	203	563
2201850	50	0.787" / 20.0mm	241	664
17 AWG (56/34) 1,00mm2				
2201702 OZ	2	0.260" / 6.6mm	13	43
2201703	3	0.276" / 7.0mm	19	56
2201704	4	0.299" / 7.6mm	26	76
2201705	5	0.323" / 8.2mm	32	92
2201707	7	0.378" / 9.6mm	45	128

Sizes continued on next page.

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EXTRAFLEX-P Sizes Continued. (17 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (56/34) 1,00mm² Cont.				
2201708	8	0.413" / 10.5mm	52	146
2201710	10	0.457" / 11.6mm	64	168
2201712	12	0.476" / 12.1mm	77	197
2201714	14	0.512" / 13.0mm	90	226
2201716	16	0.535" / 13.6mm	103	254
2201718	18	0.571" / 14.5mm	116	282
2201721	21	0.630" / 16.0mm	131	338
2201725	25	0.693" / 17.6mm	161	402
2201734	34	0.776" / 19.7mm	219	520
2201741	41	0.862" / 21.9mm	264	620
2201750	50	0.921" / 23.4mm	322	732
2201765	65	1.217" / 30.9mm	419	939
16 AWG (84/34) 1,50mm²				
2201602 OZ	2	0.280" / 7.1mm	19	60
2201603	3	0.295" / 7.5mm	29	78
2201604	4	0.323" / 8.2mm	39	99
2201605	5	0.354" / 9.0mm	48	121
2201607	7	0.425" / 10.8mm	68	184
2201608	8	0.457" / 11.6mm	77	209
2201610	10	0.528" / 13.4mm	97	230
2201612	12	0.543" / 13.8mm	116	262
2201614	14	0.563" / 14.3mm	135	307
2201616	16	0.598" / 15.2mm	160	345
2201618	18	0.634" / 16.1mm	174	395
2201621	21	0.689" / 17.5mm	203	456
2201625	25	0.768" / 19.5mm	241	537
2201634	34	0.866" / 22.0mm	329	703
2201641	41	0.929" / 23.6mm	406	865
2201650	50	1.146" / 29.1mm	483	1020
2201665	65	1.323" / 33.6mm	630	1321
14 AWG (140/34) 2,50mm²				
2201402 OZ	2	0.339" / 8.6mm	32	86
2201403	3	0.366" / 9.3mm	48	107
2201404	4	0.406" / 10.3mm	64	134
2201405	5	0.453" / 11.5mm	80	180
2201407	7	0.528" / 13.4mm	113	239
2201412	12	0.669" / 17.0mm	193	383
2201414	14	0.728" / 18.5mm	225	410
2201418	18	0.791" / 20.1mm	290	537
2201425	25	0.961" / 24.4mm	402	738
12 AWG (224/34) 4,0mm²				
2201203	3	0.441" / 11.2mm	77	168
2201204	4	0.492" / 12.5mm	103	215
2201205	5	0.543" / 13.8mm	129	268
2201207	7	0.614" / 15.6mm	180	369
10 AWG (192/32) 6,0mm²				
2201003	3	0.512" / 13.0mm	116	235
2201004	4	0.579" / 14.7mm	154	335
2201005	5	0.630" / 16.0mm	193	389
8 AWG (320/32) 10,0mm²				
2200804	4	0.752" / 19.1mm	258	503
2200805	5	0.839" / 21.3mm	322	664
6 AWG (512/32) 16,0mm²				
2200604	4	0.913" / 23.2mm	412	805
2200605	5	1.008" / 25.6mm	515	1006
4 AWG (800/32) 25,0mm²				
2200404	4	1.343" / 34.1mm	644	1140
2 AWG (1120/32) 35,0mm²				
2200204	4	1.456" / 37.0mm	901	1542

* Additional sizes may be available.