

EXTRAFLEX



EXTRAFLEX is a PVC, 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. 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
- PVC 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
- 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				
2002002 OZ	2	0.201" / 5.1mm	7	31
2002003	3	0.209" / 5.3mm	9	38
2002004	4	0.224" / 5.7mm	13	47
2002005	5	0.252" / 6.4mm	16	62
2002007	7	0.295" / 7.5mm	23	85
2002010	10	0.358" / 9.1mm	32	108
2002012	12	0.362" / 9.2mm	39	119
2002014	14	0.386" / 9.8mm	45	143
2002016	16	0.406" / 10.3mm	52	174
2002018	18	0.437" / 11.1mm	58	190
2002025	25	0.528" / 13.4mm	80	243
2002030	30	0.539" / 13.7mm	97	290
2002034	34	0.594" / 15.1mm	109	327
2002042	42	0.637" / 16.1mm	135	386
2002050	50	0.705" / 17.9mm	161	452
2002061	61	0.772" / 19.6mm	195	556
18 AWG (42/34) 0,75mm2				
2001802 OZ	2	0.213" / 5.4mm	9	39
2001803	3	0.224" / 5.7mm	15	49
2001804	4	0.252" / 6.4mm	19	52
2001805	5	0.276" / 7.0mm	24	80
2001807	7	0.327" / 8.3mm	34	111
2001810	10	0.398" / 10.1mm	48	145
2001812	12	0.406" / 10.3mm	58	166
2001814	14	0.429" / 10.9mm	68	190
2001816	16	0.452" / 11.5mm	77	215
2001818	18	0.476" / 12.1mm	87	239
2001825	25	0.587" / 14.9mm	121	334
2001830	30	0.598" / 15.2mm	145	342
2001834	34	0.654" / 16.6mm	164	369
2001841	41	0.705" / 17.9mm	203	402
2001850	50	0.791" / 20.1mm	241	469
2001861	61	0.917" / 23.3mm	290	550
2001865	65	0.972" / 24.7mm	294	568
17 AWG (56/34) 1,00mm2				
2001702 OZ	2	0.224" / 5.7mm	12	44
2001703	3	0.236" / 6.0mm	19	56
2001704	4	0.268" / 6.8mm	25	76

Sizes continued on next page.

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EXTRAFLEX Sizes Continued. (17 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (56/34) 1,00mm² Cont.				
2001705	5	0.291" / 7.4mm	32	92
2001707	7	0.346" / 8.8mm	45	129
2001710	10	0.417" / 10.6mm	64	168
2001712	12	0.425" / 10.8mm	77	198
2001714	14	0.457" / 11.6mm	90	226
2001716	16	0.480" / 12.2mm	103	254
2001718	18	0.516" / 13.1mm	116	282
2001725	25	0.622" / 15.8mm	161	402
2001730	30	0.646" / 16.4mm	193	466
2001734	34	0.701" / 17.8mm	219	521
2001741	41	0.760" / 19.3mm	270	621
2001750	50	0.835" / 21.2mm	322	732
2001761	61	0.914" / 23.2mm	393	808
2001765	65	0.933" / 23.7mm	419	939
16 AWG (84/34) 1,50mm²				
2001602 OZ	2	0.252" / 6.4mm	19	61
2001603	3	0.268" / 6.8mm	29	78
2001604	4	0.291" / 7.4mm	39	99
2001605	5	0.327" / 8.3mm	48	121
2001607	7	0.390" / 9.9mm	68	183
2001610	10	0.464" / 11.8mm	97	231
2001612	12	0.476" / 12.1mm	116	262
2001614	14	0.508" / 12.9mm	135	307
2001616	16	0.535" / 13.6mm	154	351
2001618	18	0.571" / 14.5mm	174	396
2001625	25	0.701" / 17.8mm	241	537
2001630	30	0.716" / 18.2mm	290	643
2001634	34	0.776" / 19.7mm	329	727
2001641	41	0.843" / 21.4mm	406	865
2001650	50	0.933" / 23.7mm	483	1020
2001661	61	1.031" / 26.2mm	528	1285
2001665	65	1.087" / 27.6mm	628	1337
14 AWG (140/34) 2,50mm²				
2001402 OZ	2	0.303" / 7.7mm	29	87
2001403	3	0.331" / 8.4mm	48	107
2001404	4	0.358" / 9.1mm	64	134
2001405	5	0.402" / 10.2mm	80	180
2001407	7	0.480" / 12.2mm	113	239
2001410	10	0.590" / 15.0mm	161	326
2001412	12	0.598" / 15.2mm	193	384
2001414	14	0.633" / 16.1mm	225	410
2001416	16	0.677" / 17.2mm	258	471
2001418	18	0.713" / 18.1mm	290	537
2001425	25	0.886" / 22.5mm	402	738
2001434	34	0.992" / 25.2mm	547	1006
2001441	41	1.079" / 27.4mm	676	1207
2001450	50	1.185" / 30.1mm	805	1409
12 AWG (224/34) 4,0mm²				
2001203	3	0.409" / 10.4mm	77	148
2001204	4	0.449" / 11.4mm	103	174
2001205	5	0.501" / 12.7mm	129	213
10 AWG (192/32) 6,0mm²				
2001004	4	0.524" / 13.3mm	154	263
2001005	5	0.571" / 14.5mm	193	326
8 AWG (320/32) 10,0mm²				
2000804	4	0.697" / 17.7mm	258	431
2000805	5	0.776" / 19.7mm	322	523
6 AWG (512/32) 16,0mm²				
2000604	4	0.780" / 19.8mm	412	621
2000605	5	0.878" / 22.3mm	515	761

* Additional sizes may be available.