

EXTRAFLEX-CP Shielded



EXTRAFLEX-CP is a polyurethane, high flex, heavy-duty, oil-resistant, overall shielded, 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 tinned copper braid shield assures disturbance-free transmissions of all signals and impulses and better protection against EMI. 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
- Gray PVC inner jacket
- 85% Tinned Copper Braid
- 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: 10 x Ø
- Static bending radius: 5 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				
2212002 OZ	2	0.295" / 7.5mm	32	60
2212003	3	0.307" / 7.8mm	35	70
2212004	4	0.323" / 8.2mm	37	83
2212005	5	0.390" / 9.9mm	44	88
2212007	7	0.398" / 10.1mm	56	115
2212008	8	0.421" / 10.7mm	70	131
2212010	10	0.445" / 11.3mm	77	154
2212012	12	0.492" / 12.5mm	89	168
2212014	14	0.520" / 13.2mm	99	188
2212018	18	0.571" / 14.5mm	115	168
2212021	21	0.587" / 14.9mm	127	255
2212025	25	0.661" / 16.8mm	152	298
2212034	34	0.732" / 18.6mm	205	376
2212041	41	0.787" / 20.0mm	250	443
2212050	50	0.854" / 21.7mm	298	588
18 AWG (42/34) 0,75mm2				
2211802 OZ	2	0.327" / 8.3mm	36	71
2211803	3	0.335" / 8.5mm	42	80
2211804	4	0.374" / 9.5mm	52	101
2211805	5	0.425" / 10.8mm	58	117
2211807	7	0.453" / 11.5mm	72	138
2211808	8	0.472" / 12.0mm	90	182
2211810	10	0.516" / 13.1mm	99	195
2211812	12	0.555" / 14.1mm	125	204
2211814	14	0.602" / 15.3mm	140	255
2211816	16	0.637" / 16.2mm	149	280
2211818	18	0.681" / 17.3mm	158	325
2211821	21	0.713" / 18.1mm	184	388
2211825	25	0.736" / 18.7mm	210	423
2211834	34	0.890" / 22.6mm	260	483
2211841	41	0.929" / 23.6mm	307	523
2211850	50	1.011" / 25.7mm	420	640
17 AWG (56/34) 1,00mm2				
2211702 OZ	2	0.394" / 10.0mm	40	78

Sizes continued on next page.

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

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (56/34) 1,00mm² Cont.				
2211703	3	0.402" / 10.2mm	47	91
2211704	4	0.437" / 11.1mm	58	119
2211705	5	0.465" / 11.8mm	66	126
2211707	7	0.500" / 12.7mm	84	158
2211708	8	0.543" / 13.8mm	94	181
2211710	10	0.574" / 14.6mm	119	228
2211712	12	0.610" / 15.5mm	125	240
2211714	14	0.657" / 16.7mm	158	278
2211716	16	0.677" / 17.2mm	172	306
2211718	18	0.713" / 18.1mm	188	335
2211721	21	0.763" / 19.4mm	220	352
2211725	25	0.827" / 21.0mm	254	455
2211734	34	0.949" / 24.1mm	321	553
2211741	41	1.000" / 25.4mm	386	657
2211750	50	1.087" / 27.6mm	471	778
2211765	65	1.220" / 31.0mm	612	1120
16 AWG (84/34) 1,50mm²				
2211602 OZ	2	0.413" / 10.5mm	53	95
2211603	3	0.425" / 10.8mm	63	110
2211604	4	0.453" / 11.5mm	76	148
2211605	5	0.492" / 12.5mm	87	156
2211607	7	0.520" / 13.2mm	114	217
2211608	8	0.567" / 14.4mm	152	247
2211610	10	0.594" / 15.1mm	173	309
2211612	12	0.638" / 16.2mm	188	323
2211614	14	0.713" / 18.1mm	228	376
2211616	16	0.748" / 19.0mm	246	414
2211618	18	0.799" / 20.3mm	265	451
2211621	21	0.854" / 21.7mm	309	523
2211625	25	0.909" / 23.1mm	358	622
2211634	34	1.079" / 27.4mm	471	791
2211641	41	1.161" / 29.5mm	582	978
2211650	50	1.244" / 31.6mm	693	1246
2211665	65	1.382" / 35.1mm	882	1610
14 AWG (140/34) 2,50mm²				
2211402 OZ	2	0.465" / 11.8mm	64	124
2211403	3	0.516" / 13.1mm	101	186
2211404	4	0.551" / 14.0mm	117	248
2211405	5	0.594" / 15.1mm	134	276
2211407	7	0.638" / 16.2mm	161	315
2211412	12	0.831" / 21.1mm	275	495
2211414	14	0.921" / 23.4mm	322	584
2211418	18	1.012" / 25.7mm	416	738
2211425	25	1.220" / 31.0mm	551	1014
12 AWG (224/34) 4,0mm²				
2211203	3	0.622" / 15.8mm	119	235
2211204	4	0.681" / 17.3mm	149	309
2211205	5	0.748" / 19.0mm	220	369
2211207	7	0.831" / 21.1mm	241	470
10 AWG (192/32) 6,0mm²				
2211003	3	0.768" / 19.5mm	168	352
2211004	4	0.831" / 21.1mm	205	470
2211005	5	0.906" / 23.0mm	296	537
8 AWG (320/32) 10,0mm²				
2210804	4	0.984" / 25.0mm	325	765
2210805	5	1.039" / 26.4mm	409	879
6 AWG (512/32) 16,0mm²				
2210604	4	1.106" / 28.1mm	563	933
2210605	5	1.240" / 31.5mm	704	1214

* Additional sizes may be available.