

## ULTRAFLEX-CP UL/CSA/CE



**ULTRAFLEX-CP** is a polyurethane, high flex, heavy-duty, oil-resistant, overall shielded, continuous flex multi-conductor power chain cable. Designed for medium mechanical stress and movements in dry, damp and harsh condition areas. These special cables provide increased flex life and resistance to mineral oils, cutting fluids and heavy mechanical abuse. Applications commonly found in gantry robots, cable tracks, pick & place units, conveyor systems, machine tools, automated handling equipment, body presses and transfer lines. The UL/CSA/CE approvals make this cable ideal for import and export to and from North American and European markets. Designed for up to 5 million bending change cycles in power chains when traveling under 10 meters (30 feet). The tinned copper braid shield provides disturbance-free transmissions of signals and impulses with added EMI protection. The rugged black PUR jacket adds high abrasion and tear resistance, adhesion-free qualities and UV-resistance allowing for outdoor installations within the noted temperature ranges



### 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
- Textile tape wrap over cores
- Black PVC inner jacket
- 85 % Tinned Copper Braid
- Special PUR outer jacket - black (RAL 9005)
- "OZ" denotes no ground wire
- **Extremely oil & chemical resistant**

### Technical:

- Working voltage: 300/500 (600v UL)
- Test voltage: 4000 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 5 x Ø
- Flexing temp: -5° C to +80° C
- Static temp: -40° C to +80° C
- Flame retardant: IEC 60332.1, FT-1
- Insulation resistance: 20 MΩ x km

### Approvals:

- UL-AWM Style 20234
- CSA AWM I A/B, II A/B, FT1
- VDE-0245, 0250, 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
<b>20 AWG (28/34) 0,50mm2</b>				
2632002 OZ	2	0.331" / 8.4mm	23	62
2632003	3	0.350" / 8.9mm	26	71
2632004	4	0.374" / 9.5mm	32	83
2632005	5	0.402" / 10.2mm	44	109
2632007	7	0.465" / 11.8mm	54	132
2632012	12	0.524" / 13.3mm	76	170
2632018	18	0.618" / 15.7mm	107	249
2632025	25	0.717" / 18.2mm	137	333
2632050	50	0.953" / 24.2mm	258	610
2632060	60	1.028" / 26.1mm	303	713
<b>19 AWG (42/34) 0,75mm2</b>				
2631902 OZ	2	0.362" / 8.7mm	25	68
2631903	3	0.362" / 9.2mm	33	79
2631904	4	0.390" / 9.9mm	40	94
2631905	5	0.429" / 10.9mm	46	115
2631907	7	0.484" / 12.3mm	61	152
2631912	12	0.563" / 14.3mm	102	217
2631918	18	0.654" / 16.6mm	137	292
2631925	25	0.776" / 19.7mm	198	415
2631934	34	0.874" / 22.2mm	243	533
2631950	50	1.028" / 26.1mm	372	747
2631960	60	1.094" / 27.8mm	420	855
<b>16 AWG (84/34) 1,50mm2</b>				
2631602 OZ	2	0.381" / 9.7mm	38	87
2631603	3	0.417" / 10.6mm	50	111
2631604	4	0.453" / 11.5mm	63	136
2631605	5	0.484" / 12.3mm	74	160
2631607	7	0.563" / 14.3mm	111	231
2631612	12	0.654" / 16.6mm	165	316

Sizes continued on next page.

## ULTRAFLEX-CP

UL/CSA/CE



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

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>16 AWG (84/34) 1,50mm<sup>2</sup> Cont.</b>				
2631618	18	0.787" / 20.0mm	252	711
2631625	25	0.913" / 23.2mm	328	937
2631634	34	1.051" / 26.7mm	445	1260
2631650	50	1.236" / 31.4mm	630	1757
2631660	60	1.315" / 33.4mm	728	2015
<b>14 AWG (140/34) 2,50mm<sup>2</sup></b>				
2631402 OZ	2	0.425" / 10.8mm	53	114
2631403	3	0.453" / 11.5mm	72	142
2631404	4	0.492" / 12.5mm	108	173
2631405	5	0.539" / 13.7mm	124	220
2631407	7	0.657" / 16.1mm	162	309
2631412	12	0.736" / 18.7mm	270	433
<b>12 AWG (224/34) 4,00mm<sup>2</sup></b>				
2631203	3	0.516" / 13.1mm	105	194
2631204	4	0.571" / 14.5mm	146	256
2631205	5	0.630" / 16.0mm	178	314
2631207	7	0.740" / 18.8mm	237	437
<b>10 AWG (192/32) 6,00mm<sup>2</sup></b>				
2631004	4	0.646" / 16.4mm	204	346
2631005	5	0.701" / 17.8mm	244	415
<b>8 AWG (320/32) 10,0mm<sup>2</sup></b>				
2630804	4	0.831" / 21.1mm	335	433
2630805	5	0.913" / 23.2mm	409	698
<b>6 AWG (512/32) 16,0mm<sup>2</sup></b>				
2630604	4	1.071" / 27.2mm	539	902
2630605	5	1.201" / 30.5mm	655	1143
<b>4 AWG (800/32) 25,0mm<sup>2</sup></b>				
2630404	4	1.264" / 32.1mm	791	1303
2630405	5	1.386" / 35.2mm	956	1604
<b>2 AWG (1120/32) 35,0mm<sup>2</sup></b>				
2630204	4	1.390" / 35.3mm	1068	1660
2630205	5	1.531" / 38.9mm	1314	2058

\* Additional sizes may be available.