

## ULTRAFLEX-P UL/CSA/CE



**ULTRAFLEX-P** is a polyurethane, high flex, heavy-duty, oil-resistant, 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 oil, 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 and DESINA 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 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 CI-6
- Special PVC core insulation
- Color code VDE-0293 - black & numbered
- Ground wire in outer layer
- Textile tape wrap over cores
- 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: 7.5 x Ø
- Static bending radius: 4 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 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) 0,50mm<sup>2</sup></b>				
2622002 OZ	2	0.268" / 6.8mm	7	31
2622003	3	0.287" / 7.3mm	9	38
2622004	4	0.311" / 7.9mm	13	46
2622005	5	0.339" / 8.6mm	16	56
2622007	7	0.390" / 9.9mm	23	79
2622012	12	0.453" / 11.5mm	39	107
2622018	18	0.539" / 13.7mm	58	156
2622025	25	0.630" / 16.0mm	80	216
2622034	34	0.713" / 18.1mm	110	289
2622050	50	0.843" / 21.4mm	161	407
2622060	60	0.902" / 22.9mm	193	478
<b>19 AWG (42/34) 0,75mm<sup>2</sup></b>				
2621902 OZ	2	0.280" / 7.1mm	9	35
2621903	3	0.299" / 7.6mm	14	44
2621904	4	0.327" / 8.3mm	19	55
2621905	5	0.354" / 9.0mm	24	68
2621907	7	0.413" / 10.5mm	34	95
2621912	12	0.476" / 12.1mm	58	132
2621918	18	0.563" / 14.3mm	87	189
2621925	25	0.673" / 17.1mm	121	271
2621934	34	0.764" / 19.4mm	164	363
2621950	50	0.909" / 23.1mm	241	519
2621960	60	0.972" / 24.7mm	290	609
<b>16 AWG (84/34) 1,50mm<sup>2</sup></b>				
2621602 OZ	2	0.319" / 8.1mm	19	50
2621603	3	0.343" / 8.7mm	29	66
2621604	4	0.378" / 9.6mm	39	84
2621605	5	0.413" / 10.5mm	48	104
2621607	7	0.484" / 12.3mm	68	148
2621612	12	0.563" / 14.3mm	116	214
2621618	18	0.685" / 17.4mm	174	325
2621625	25	0.815" / 20.7mm	241	451

Sizes continued on next page.

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### ULTRAFLEX-P 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>				
2621634	34	0.933" / 23.7mm	329	611
2621650	50	1.102" / 28.0mm	483	865
2621660	60	1.177" / 29.9mm	580	1018
<b>14 AWG (140/34) 2,50mm<sup>2</sup></b>				
2621402 OZ	2	0.350" / 8.9mm	32	68
2621403	3	0.378" / 9.6mm	48	90
2621404	4	0.421" / 10.7mm	64	116
2621405	5	0.461" / 11.7mm	80	146
2621407	7	0.543" / 13.8mm	113	210
2621412	12	0.642" / 16.3mm	193	309
<b>12 AWG (224/34) 4,00mm<sup>2</sup></b>				
2621203	3	0.445" / 11.3mm	77	132
2621204	4	0.492" / 12.5mm	103	173
2621205	5	0.539" / 13.7mm	129	215
2621207	7	0.654" / 16.6mm	180	316
<b>10 AWG (192/32) 6,00mm<sup>2</sup></b>				
2621004	4	0.555" / 14.1mm	154	244
2621005	5	0.622" / 15.8mm	193	308
<b>8 AWG (320/32) 10,0mm<sup>2</sup></b>				
2620804	4	0.724" / 18.4mm	258	406
2620805	5	0.807" / 20.5mm	322	515
<b>6 AWG (512/32) 16,0mm<sup>2</sup></b>				
2620604	4	0.945" / 24.0mm	412	654
2620605	5	1.063" / 27.0mm	515	834
<b>4 AWG (800/32) 25,0mm<sup>2</sup></b>				
2620404	4	1.118" / 28.4mm	644	966
2620405	5	1.256" / 31.9mm	805	1231
<b>2 AWG (1120/32) 35,0mm<sup>2</sup></b>				
2620204	4	1.264" / 32.1mm	901	1285
2620205	5	1.406" / 35.7mm	1127	1633

\* Additional sizes may be available.