

ULTRAFLEX UL/CSA/CE



ULTRAFLEX is a PVC, 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 oil, synthetic oils and water based coolants. 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 black UV-resistant jacket allows 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
- PVC outer jacket - black (RAL 9005)
- **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 +90° C
- Static temp: -40° C to +90° C
- Flame retardant: IEC 60332.1, FT-1
- Insulation resistance: 20 MΩ x km

Approvals:

- UL-AWM Style 2587 + 21098
- 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
20 AWG (28/34) 0,50mm²				
2602003	3	0.264" / 6.7mm	9	35
2602004	4	0.291" / 7.4mm	13	45
2602005	5	0.315" / 8.0mm	16	55
2602007	7	0.378" / 9.6mm	23	81
2602012	12	0.449" / 11.4mm	39	114
2602018	18	0.535" / 13.6mm	58	172
2602025	25	0.642" / 16.3mm	80	240
19 AWG (42/34) 0,75mm²				
2601903	3	0.280" / 7.1mm	15	42
2601904	4	0.311" / 7.9mm	19	54
2601905	5	0.339" / 8.6mm	24	67
2601907	7	0.406" / 10.3mm	34	99
2601912	12	0.488" / 12.4mm	58	144
2601918	18	0.583" / 14.8mm	87	210
2601925	25	0.697" / 17.7mm	121	302
16 AWG (84/34) 1,50mm²				
2601603	3	0.315" / 8.0mm	29	62
2601604	4	0.358" / 9.1mm	39	84
2601605	5	0.390" / 9.9mm	48	104
2601607	7	0.469" / 11.9mm	68	153
2601612	12	0.563" / 14.3mm	116	226
2601618	18	0.685" / 17.4mm	174	345
2601625	25	0.815" / 20.7mm	241	478
2601634	34	0.933" / 23.7mm	328	648
14 AWG (140/34) 2,50mm²				
2601403	3	0.378" / 9.6mm	48	94
2601404	4	0.429" / 10.9mm	64	130
2601405	5	0.468" / 11.9mm	80	157
2601407	7	0.571" / 14.5mm	113	235
2601412	12	0.685" / 17.4mm	193	349

Sizes continued on next page.

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ULTRAFLEX Sizes Continued. (12 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
12 AWG (224/34) 4,00mm²				
2601203	3	0.441" / 11.2mm	77	137
2601204	4	0.496" / 12.6mm	103	183
2601205	5	0.555" / 14.1mm	129	234
2601207	7	0.673" / 17.1mm	180	339
10 AWG (192/32) 6,00mm²				
2601004	4	0.575" / 14.6mm	154	424
8 AWG (320/32) 10,0mm²				
2600804	4	0.724" / 18.4mm	258	538
6 AWG (512/32) 16,0mm²				
2600604	4	0.933" / 23.7mm	412	693
4 AWG (800/32) 25,0mm²				
2600404	4	1.091" / 27.7mm	644	1006
2 AWG (1120/32) 35,0mm²				
2600204	4	1.291" / 32.8mm	901	1410

* Additional sizes may be available.