

## ULTRAFLEX-CY

UL/CSA/CE



**ULTRAFLEX-CY** is a PVC, 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 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 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 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
- Black PVC inner jacket
- 85 % Tinned Copper Braid
- PVC outer jacket - black (RAL 9005)
- **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 +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
<b>20 AWG (28/34) 0,50mm<sup>2</sup></b>				
2612003	3	0.346" / 8.8mm	26	67
2612004	4	0.354" / 9.0mm	32	81
2612005	5	0.378" / 9.6mm	37	98
2612007	7	0.453" / 11.5mm	54	134
2612012	12	0.528" / 13.4mm	67	188
2612018	18	0.626" / 15.9mm	107	271
2612025	25	0.728" / 18.5mm	136	358
<b>19 AWG (42/34) 0,75mm<sup>2</sup></b>				
2611903	3	0.343" / 8.7mm	33	77
2611904	4	0.374" / 9.5mm	40	95
2611905	5	0.413" / 10.5mm	46	114
2611907	7	0.480" / 12.2mm	62	158
2611912	12	0.575" / 14.6mm	102	232
2611918	18	0.673" / 17.1mm	138	346
2611925	25	0.799" / 20.3mm	198	456
<b>16 AWG (84/34) 1,50mm<sup>2</sup></b>				
2611603	3	0.386" / 9.8mm	50	106
2611604	4	0.433" / 11.0mm	63	135
2611605	5	0.465" / 11.8mm	68	153
2611607	7	0.551" / 14.0mm	111	234
2611612	12	0.654" / 16.6mm	165	329
2611618	18	0.787" / 20.0mm	251	497
2611625	25	0.917" / 23.3mm	328	659
2611634	34	1.059" / 26.9mm	445	888
<b>14 AWG (140/34) 2,50mm<sup>2</sup></b>				
2611403	3	0.453" / 11.5mm	78	144
2611404	4	0.500" / 12.7mm	109	224
2611405	5	0.547" / 13.9mm	124	238
2611407	7	0.661" / 16.8mm	162	338
2611412	12	0.787" / 20.0mm	270	501

Sizes continued on next page.

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### ULTRAFLEX-CY Sizes Continued. ( 12 AWG & Larger )

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>12 AWG (224/34) 4,00mm<sup>2</sup></b>				
2611203	3	0.512" / 13.0mm	105	199
2611204	4	0.583" / 14.8mm	146	271
2611205	5	0.646" / 16.4mm	178	335
2611207	7	0.768" / 19.5mm	250	482
<b>10 AWG (192/32) 6,00mm<sup>2</sup></b>				
2611004	4	0.665" / 16.9mm	204	363
<b>8 AWG (320/32) 10,0mm<sup>2</sup></b>				
2610804	4	0.843" / 21.4mm	335	592
<b>6 AWG (512/32) 16,0mm<sup>2</sup></b>				
2610604	4	1.059" / 26.9mm	539	944
<b>4 AWG (800/32) 25,0mm<sup>2</sup></b>				
2610404	4	1.244" / 31.6mm	791	1338
<b>2 AWG (1120/32) 35,0mm<sup>2</sup></b>				
2610204	4	1.425" / 36.2mm	1068	1792

\* Additional sizes may be available.