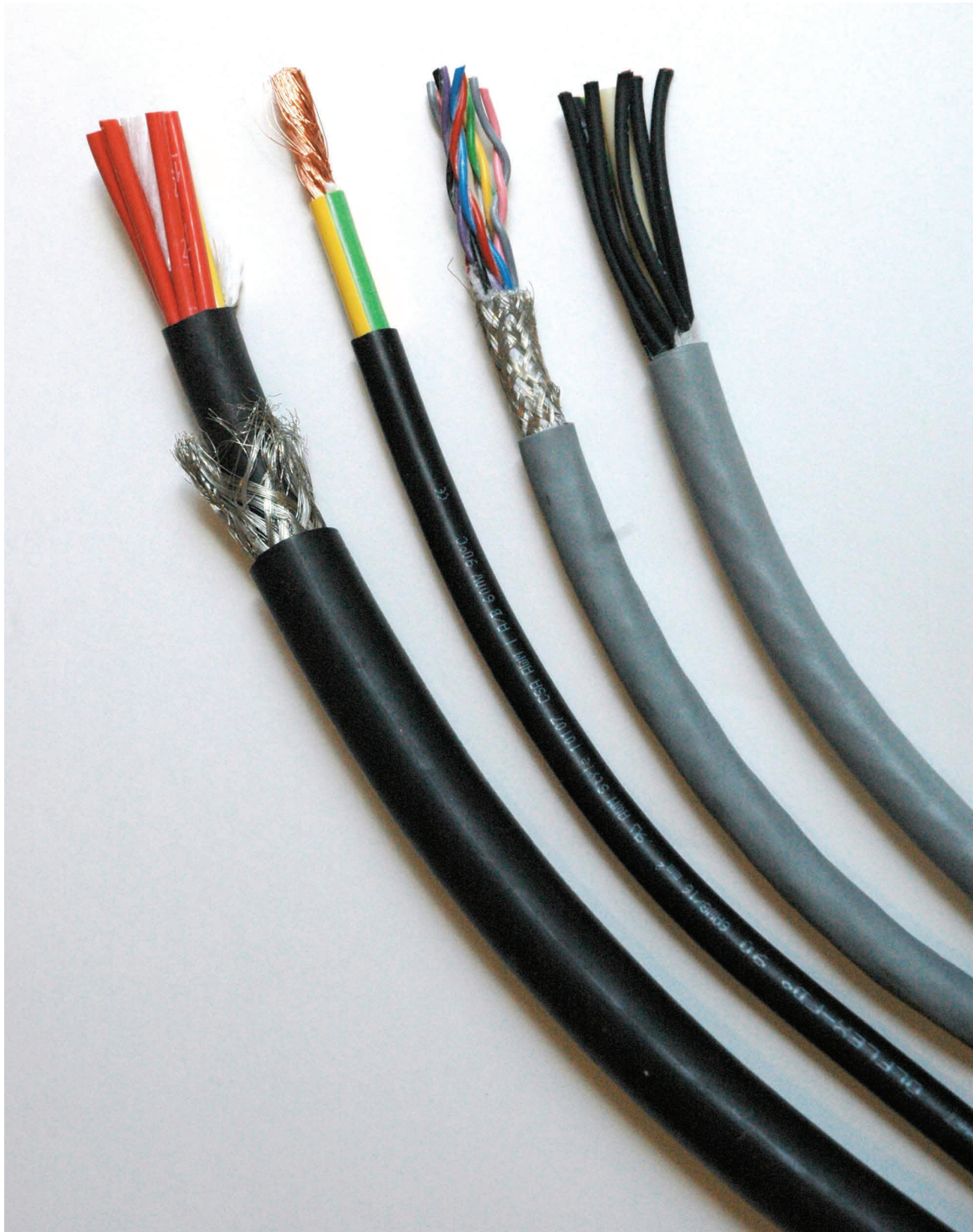


Robotic & C-Track Cables



Robotic & C-Track Contents

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EXTRAFLEX



EXTRAFLEX is a PVC, high flex, heavy-duty, oil-resistant, 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. 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
- PVC 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: $7.5 \times \varnothing$
- Static bending radius: $4 \times \varnothing$
- Flexing temp: -5°C to $+70^{\circ}\text{C}$
- Static temp: -40°C to $+80^{\circ}\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance: $20\text{ M}\Omega \times \text{km}$

Approvals:

- VDE-0245, 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				
2002002 OZ	2	0.201" / 5.1mm	7	31
2002003	3	0.209" / 5.3mm	9	38
2002004	4	0.224" / 5.7mm	13	47
2002005	5	0.252" / 6.4mm	16	62
2002007	7	0.295" / 7.5mm	23	85
2002010	10	0.358" / 9.1mm	32	108
2002012	12	0.362" / 9.2mm	39	119
2002014	14	0.386" / 9.8mm	45	143
2002016	16	0.406" / 10.3mm	52	174
2002018	18	0.437" / 11.1mm	58	190
2002025	25	0.528" / 13.4mm	80	243
2002030	30	0.539" / 13.7mm	97	290
2002034	34	0.594" / 15.1mm	109	327
2002042	42	0.637" / 16.1mm	135	386
2002050	50	0.705" / 17.9mm	161	452
2002061	61	0.772" / 19.6mm	195	556
18 AWG (42/34) 0,75mm²				
2001802 OZ	2	0.213" / 5.4mm	9	39
2001803	3	0.224" / 5.7mm	15	49
2001804	4	0.252" / 6.4mm	19	52
2001805	5	0.276" / 7.0mm	24	80
2001807	7	0.327" / 8.3mm	34	111
2001810	10	0.398" / 10.1mm	48	145
2001812	12	0.406" / 10.3mm	58	166
2001814	14	0.429" / 10.9mm	68	190
2001816	16	0.452" / 11.5mm	77	215
2001818	18	0.476" / 12.1mm	87	239
2001825	25	0.587" / 14.9mm	121	334
2001830	30	0.598" / 15.2mm	145	342
2001834	34	0.654" / 16.6mm	164	369
2001841	41	0.705" / 17.9mm	203	402
2001850	50	0.791" / 20.1mm	241	469
2001861	61	0.917" / 23.3mm	290	550
2001865	65	0.972" / 24.7mm	294	568
17 AWG (56/34) 1,00mm²				
2001702 OZ	2	0.224" / 5.7mm	12	44
2001703	3	0.236" / 6.0mm	19	56
2001704	4	0.268" / 6.8mm	25	76

Sizes continued on next page.

EXTRAFLEX



EXTRAFLEX Sizes Continued. (17 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (56/34) 1,00mm2 Cont.				
2001705	5	0.291" / 7.4mm	32	92
2001707	7	0.346" / 8.8mm	45	129
2001710	10	0.417" / 10.6mm	64	168
2001712	12	0.425" / 10.8mm	77	198
2001714	14	0.457" / 11.6mm	90	226
2001716	16	0.480" / 12.2mm	103	254
2001718	18	0.516" / 13.1mm	116	282
2001725	25	0.622" / 15.8mm	161	402
2001730	30	0.646" / 16.4mm	193	466
2001734	34	0.701" / 17.8mm	219	521
2001741	41	0.760" / 19.3mm	270	621
2001750	50	0.835" / 21.2mm	322	732
2001761	61	0.914" / 23.2mm	393	808
2001765	65	0.933" / 23.7mm	419	939
16 AWG (84/34) 1,50mm2				
2001602 OZ	2	0.252" / 6.4mm	19	61
2001603	3	0.268" / 6.8mm	29	78
2001604	4	0.291" / 7.4mm	39	99
2001605	5	0.327" / 8.3mm	48	121
2001607	7	0.390" / 9.9mm	68	183
2001610	10	0.464" / 11.8mm	97	231
2001612	12	0.476" / 12.1mm	116	262
2001614	14	0.508" / 12.9mm	135	307
2001616	16	0.535" / 13.6mm	154	351
2001618	18	0.571" / 14.5mm	174	396
2001625	25	0.701" / 17.8mm	241	537
2001630	30	0.716" / 18.2mm	290	643
2001634	34	0.776" / 19.7mm	329	727
2001641	41	0.843" / 21.4mm	406	865
2001650	50	0.933" / 23.7mm	483	1020
2001661	61	1.031" / 26.2mm	528	1285
2001665	65	1.087" / 27.6mm	628	1337
14 AWG (140/34) 2,50mm2				
2001402 OZ	2	0.303" / 7.7mm	29	87
2001403	3	0.331" / 8.4mm	48	107
2001404	4	0.358" / 9.1mm	64	134
2001405	5	0.402" / 10.2mm	80	180
2001407	7	0.480" / 12.2mm	113	239
2001410	10	0.590" / 15.0mm	161	326
2001412	12	0.598" / 15.2mm	193	384
2001414	14	0.633" / 16.1mm	225	410
2001416	16	0.677" / 17.2mm	258	471
2001418	18	0.713" / 18.1mm	290	537
2001425	25	0.886" / 22.5mm	402	738
2001434	34	0.992" / 25.2mm	547	1006
2001441	41	1.079" / 27.4mm	676	1207
2001450	50	1.185" / 30.1mm	805	1409
12 AWG (224/34) 4,0mm2				
2001203	3	0.409" / 10.4mm	77	148
2001204	4	0.449" / 11.4mm	103	174
2001205	5	0.501" / 12.7mm	129	213
10 AWG (192/32) 6,0mm2				
2001004	4	0.524" / 13.3mm	154	263
2001005	5	0.571" / 14.5mm	193	326
8 AWG (320/32) 10,0mm2				
2000804	4	0.697" / 17.7mm	258	431
2000805	5	0.776" / 19.7mm	322	523
6 AWG (512/32) 16,0mm2				
2000604	4	0.780" / 19.8mm	412	621
2000605	5	0.878" / 22.3mm	515	761

* Additional sizes may be available.

EXTRAFLEX-CY Shielded



EXTRAFLEX-CY is a PVC, 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. 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
- PVC 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
- 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				
2012002 OZ	2	0.272" / 6.9mm	20	60
2012003	3	0.283" / 7.2mm	25	77
2012004	4	0.307" / 7.8mm	32	94
2012005	5	0.327" / 8.3mm	43	113
2012007	7	0.378" / 9.6mm	47	146
2012012	12	0.445" / 11.3mm	64	184
2012014	14	0.468" / 11.9mm	68	223
2012016	16	0.499" / 12.7mm	85	260
2012018	18	0.531" / 13.5mm	95	298
2012021	21	0.570" / 14.5mm	111	333
2012025	25	0.622" / 15.8mm	131	343
2012034	34	0.646" / 16.4mm	179	365
2012041	41	0.732" / 18.6mm	221	406
2012050	50	0.819" / 20.8mm	264	497
18 AWG (42/34) 0,75mm2				
2011802 OZ	2	0.287" / 7.3mm	33	70
2011803	3	0.307" / 7.8mm	39	86
2011804	4	0.327" / 8.3mm	50	123
2011805	5	0.358" / 9.1mm	54	134
2011807	7	0.402" / 10.2mm	57	180
2011810	10	0.484" / 12.3mm	64	219
2011812	12	0.496" / 12.6mm	94	245
2011814	14	0.516" / 13.1mm	109	286
2011816	16	0.547" / 13.9mm	125	327
2011818	18	0.571" / 14.5mm	142	367
2011821	21	0.626" / 15.9mm	182	396
2011825	25	0.681" / 17.3mm	216	402
2011830	30	0.701" / 17.8mm	278	436
2011834	34	0.764" / 19.4mm	311	459
2011841	41	0.807" / 20.5mm	391	537
2011850	50	0.894" / 22.7mm	466	640
17 AWG (56/34) 1,00mm2				
2011702 OZ	2	0.307" / 7.8mm	38	77
2011703	3	0.319" / 8.1mm	44	95

Sizes continued on next page.

EXTRAFLEX-CY Shielded



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

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (56/34) 1,00mm2 Cont.				
2011704	4	0.343" / 8.7mm	54	131
2011705	5	0.374" / 9.5mm	76	182
2011707	7	0.429" / 10.9mm	87	206
2011712	12	0.516" / 13.1mm	158	318
2011716	16	0.582" / 14.8mm	184	387
2011718	18	0.606" / 15.4mm	207	417
2011725	25	0.732" / 18.6mm	280	555
2011734	34	0.811" / 20.6mm	348	704
2011741	41	0.870" / 22.1mm	426	843
2011750	50	0.988" / 25.1mm	493	963
2011765	65	1.149" / 29.2mm	625	1222
16 AWG (84/34) 1,50mm2				
2011602 OZ	2	0.327" / 8.3mm	50	114
2011603	3	0.343" / 8.7mm	60	136
2011604	4	0.374" / 9.5mm	75	163
2011605	5	0.402" / 10.2mm	89	193
2011607	7	0.480" / 12.2mm	146	270
2011612	12	0.571" / 14.5mm	207	397
2011616	16	0.634" / 16.1mm	231	491
2011618	18	0.665" / 16.9mm	323	566
2011625	25	0.811" / 20.6mm	392	775
2011634	34	0.953" / 24.2mm	469	808
2011641	41	1.001" / 25.4mm	582	823
2011650	50	1.102" / 28.0mm	651	969
2011661	61	1.205" / 30.6mm	690	1156
14 AWG (140/34) 2,50mm2				
2011403	3	0.413" / 10.5mm	94	144
2011404	4	0.441" / 11.2mm	113	177
2011405	5	0.504" / 12.8mm	130	231
2011407	7	0.583" / 14.8mm	157	275
2011412	12	0.709" / 18.0mm	244	484
12 AWG (224/34) 4,0mm2				
2011203	3	0.500" / 12.7mm	119	196
2011204	4	0.547" / 13.9mm	149	251
2011205	5	0.602" / 15.3mm	220	300
10 AWG (192/32) 6,0mm2				
2011004	4	0.618" / 15.7mm	205	353
2011005	5	0.673" / 17.1mm	296	424
8 AWG (320/32) 10,0mm2				
2010804	4	0.819" / 20.8mm	325	562
2010805	5	0.898" / 22.8mm	409	669
6 AWG (512/32) 16,0mm2				
2010604	4	0.902" / 22.9mm	563	822
2010605	5	1.051" / 26.7mm	704	1046

* Additional sizes may be available.

SUPERFLEX



SUPERFLEX is a PVC, very high flex, medium-duty, oil-resistant, continuous flex multi-conductor data transmission cable. These cables are ideal for all areas requiring a high and fast flexing cable commonly found in automated production processes, power chains, machine industries, robotics and other highly mobile machine parts. The small cable diameters allow installation in confined operating areas. The long working life offers outstanding performance as well as economy. Found in sensor technology, computers, control devices and measurement applications. Best suited for data and signal cable for power supply chains. May be used in dry, damp or wet environments. Outdoor use is not permitted.



Construction:

- Super fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special PVC core insulation
- Color code DIN-47100 without color repetition
- Textile tape wrap over cores
- PVC outer jacket - gray (RAL 7001)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 250 volts
- Test voltage: 1500 volts
- Flexing bending radius: 5 x Ø
- Static bending radius: 3 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -40° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- VDE-0245, 0281, 0812
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
26 AWG (18/38) 0,14mm²				
2102602	2	0.157" / 4.0mm	2	15
2102603	3	0.161" / 4.2mm	3	17
2102604	4	0.173" / 4.4mm	4	21
2102605	5	0.185" / 4.7mm	5	23
2102607	7	0.213" / 5.4mm	7	34
2102610	10	0.252" / 6.4mm	9	42
2102612	12	0.271" / 6.9mm	11	47
2102614	14	0.283" / 7.1mm	13	52
2102618	18	0.303" / 7.7mm	17	61
2102625	25	0.339" / 8.6mm	23	84
24 AWG (32/38) 0,25mm²				
2102402	2	0.181" / 4.6mm	3	20
2102403	3	0.185" / 4.7mm	5	22
2102404	4	0.201" / 5.1mm	7	27
2102405	5	0.220" / 5.6mm	9	34
2102407	7	0.252" / 6.4mm	12	43
2102410	10	0.303" / 7.7mm	17	56
2102412	12	0.307" / 7.8mm	20	63
2102414	14	0.319" / 8.1mm	23	72
2102418	18	0.346" / 8.8mm	30	87
2102425	25	0.425" / 10.8mm	42	119
22 AWG (42/38) 0,34mm²				
2102202	2	0.193" / 4.9mm	5	26
2102203	3	0.205" / 5.2mm	7	29
2102204	4	0.224" / 5.7mm	9	38
2102205	5	0.244" / 6.2mm	11	44
2102207	7	0.280" / 7.1mm	16	57
2102210	10	0.364" / 8.8mm	23	79
2102212	12	0.370" / 9.4mm	28	90
2102214	14	0.381" / 9.7mm	32	101
2102218	18	0.394" / 10.0mm	41	122
2102225	25	0.484" / 12.3mm	57	168

* Additional sizes may be available.

SUPERFLEX-CY Shielded



SUPERFLEX-CY is a PVC, very high flex, medium-duty, oil-resistant, overall shielded, continuous flex multi-conductor data transmission cable. These cables are ideal for all areas requiring a high and fast flexing cable commonly found in automated production processes, power chains, machine industries, robotics and other highly mobile machine parts. The small cable diameters allow installation in confined operating areas. The long working life offers outstanding performance as well as economy. Found in sensor technology, computers, control devices and measurement applications. Best suited for data and signal cable for power supply chains. The tinned copper braid shield assures disturbance-free transmissions of signals and impulses with better protection against EMI. May be used in dry, damp or wet environments. Outdoor use is not permitted.



Construction:

- Super fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special PVC core insulation
- Color code DIN-47100 without color repetition
- Textile tape wrap over cores
- 85% Tinned Copper Braid
- PVC outer jacket - gray (RAL 7001)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 250 volts
- Test voltage: 1500 volts
- Flexing bending radius: $7.5 \times \varnothing$
- Static bending radius: $4 \times \varnothing$
- Flexing temp: -5°C to $+70^{\circ}\text{C}$
- Static temp: -40°C to $+70^{\circ}\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance: $20\text{ M}\Omega \times \text{km}$

Approvals:

- VDE-0245, 0281, 0812
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
26 AWG (18/38) 0,14mm²				
2112602	2	0.181" / 4.6mm	7	22
2112603	3	0.188" / 4.8mm	9	25
2112604	4	0.201" / 5.1mm	11	28
2112605	5	0.251" / 6.4mm	12	32
2112607	7	0.268" / 6.8mm	18	47
2112610	10	0.283" / 7.2mm	23	60
2112612	12	0.299" / 7.6mm	26	65
2112614	14	0.311" / 7.9mm	30	71
2112618	18	0.331" / 8.4mm	36	83
2112625	25	0.363" / 9.2mm	46	110
24 AWG (32/38) 0,25mm²				
2112402	2	0.201" / 5.1mm	10	26
2112403	3	0.216" / 5.5mm	14	31
2112404	4	0.233" / 5.9mm	16	36
2112405	5	0.248" / 6.3mm	21	48
2112407	7	0.284" / 7.2mm	27	60
2112410	10	0.335" / 8.5mm	36	77
2112412	12	0.346" / 8.8mm	40	86
2112414	14	0.363" / 9.2mm	43	95
2112418	18	0.389" / 9.9mm	52	112
2112425	25	0.449" / 11.4mm	68	148
22 AWG (42/38) 0,34mm²				
2112202	2	0.221" / 5.6mm	12	32
2112203	3	0.240" / 6.1mm	19	42
2112204	4	0.249" / 6.3mm	24	54
2112205	5	0.267" / 6.8mm	29	60
2112207	7	0.303" / 7.7mm	36	79
2112210	10	0.371" / 9.4mm	45	104
2112212	12	0.382" / 9.7mm	51	112
2112214	14	0.398" / 10.1mm	57	130
2112218	18	0.421" / 10.7mm	66	151
2112225	25	0.508" / 12.9mm	99	220

* Additional sizes may be available.

EXTRAFLEX-P



EXTRAFLEX-P is a polyurethane, high flex, heavy-duty, oil-resistant, 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 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
- 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: $7.5 \times \varnothing$
- Static bending radius: $4 \times \varnothing$
- Flexing temp: -5°C to $+70^{\circ}\text{C}$
- Static temp: -40°C to $+80^{\circ}\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance: $20\text{ M}\Omega \times \text{km}$

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				
2202002 OZ	2	0.213" / 5.4mm	7	30
2202003	3	0.232" / 5.9mm	9	38
2202004	4	0.248" / 6.3mm	13	46
2202005	5	0.272" / 6.9mm	16	62
2202007	7	0.307" / 7.8mm	23	85
2202008	8	0.339" / 8.6mm	25	91
2202010	10	0.378" / 9.6mm	32	106
2202012	12	0.406" / 10.3mm	39	118
2202018	18	0.453" / 11.5mm	58	190
2202021	21	0.496" / 12.6mm	64	208
2202025	25	0.535" / 13.6mm	80	221
2202034	34	0.594" / 15.1mm	109	282
2202041	41	0.626" / 15.9mm	135	335
2202050	50	0.708" / 18.0mm	161	389
18 AWG (42/34) 0.75mm²				
2201802 OZ	2	0.232" / 5.9mm	9	38
2201803	3	0.244" / 6.2mm	15	48
2201804	4	0.264" / 6.7mm	19	65
2201805	5	0.287" / 7.3mm	24	80
2201807	7	0.343" / 8.7mm	34	111
2201808	8	0.374" / 9.5mm	39	127
2201810	10	0.413" / 10.5mm	48	144
2201812	12	0.437" / 11.1mm	58	166
2201814	14	0.449" / 11.4mm	68	190
2201816	16	0.472" / 12.0mm	77	215
2201818	18	0.496" / 12.6mm	87	239
2201821	21	0.551" / 14.0mm	101	337
2201825	25	0.598" / 15.2mm	121	468
2201834	34	0.673" / 17.1mm	164	516
2201841	41	0.728" / 18.5mm	203	563
2201850	50	0.787" / 20.0mm	241	664
17 AWG (56/34) 1.00mm²				
2201702 OZ	2	0.260" / 6.6mm	13	43
2201703	3	0.276" / 7.0mm	19	56
2201704	4	0.299" / 7.6mm	26	76
2201705	5	0.323" / 8.2mm	32	92
2201707	7	0.378" / 9.6mm	45	128

Sizes continued on next page.

EXTRAFLEX-P



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

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (56/34) 1,00mm2 Cont.				
2201708	8	0.413" / 10.5mm	52	146
2201710	10	0.457" / 11.6mm	64	168
2201712	12	0.476" / 12.1mm	77	197
2201714	14	0.512" / 13.0mm	90	226
2201716	16	0.535" / 13.6mm	103	254
2201718	18	0.571" / 14.5mm	116	282
2201721	21	0.630" / 16.0mm	131	338
2201725	25	0.693" / 17.6mm	161	402
2201734	34	0.776" / 19.7mm	219	520
2201741	41	0.862" / 21.9mm	264	620
2201750	50	0.921" / 23.4mm	322	732
2201765	65	1.217" / 30.9mm	419	939
16 AWG (84/34) 1,50mm2				
2201602 OZ	2	0.280" / 7.1mm	19	60
2201603	3	0.295" / 7.5mm	29	78
2201604	4	0.323" / 8.2mm	39	99
2201605	5	0.354" / 9.0mm	48	121
2201607	7	0.425" / 10.8mm	68	184
2201608	8	0.457" / 11.6mm	77	209
2201610	10	0.528" / 13.4mm	97	230
2201612	12	0.543" / 13.8mm	116	262
2201614	14	0.563" / 14.3mm	135	307
2201616	16	0.598" / 15.2mm	160	345
2201618	18	0.634" / 16.1mm	174	395
2201621	21	0.689" / 17.5mm	203	456
2201625	25	0.768" / 19.5mm	241	537
2201634	34	0.866" / 22.0mm	329	703
2201641	41	0.929" / 23.6mm	406	865
2201650	50	1.146" / 29.1mm	483	1020
2201665	65	1.323" / 33.6mm	630	1321
14 AWG (140/34) 2,50mm2				
2201402 OZ	2	0.339" / 8.6mm	32	86
2201403	3	0.366" / 9.3mm	48	107
2201404	4	0.406" / 10.3mm	64	134
2201405	5	0.453" / 11.5mm	80	180
2201407	7	0.528" / 13.4mm	113	239
2201412	12	0.669" / 17.0mm	193	383
2201414	14	0.728" / 18.5mm	225	410
2201418	18	0.791" / 20.1mm	290	537
2201425	25	0.961" / 24.4mm	402	738
12 AWG (224/34) 4,0mm2				
2201203	3	0.441" / 11.2mm	77	168
2201204	4	0.492" / 12.5mm	103	215
2201205	5	0.543" / 13.8mm	129	268
2201207	7	0.614" / 15.6mm	180	369
10 AWG (192/32) 6,0mm2				
2201003	3	0.512" / 13.0mm	116	235
2201004	4	0.579" / 14.7mm	154	335
2201005	5	0.630" / 16.0mm	193	389
8 AWG (320/32) 10,0mm2				
2200804	4	0.752" / 19.1mm	258	503
2200805	5	0.839" / 21.3mm	322	664
6 AWG (512/32) 16,0mm2				
2200604	4	0.913" / 23.2mm	412	805
2200605	5	1.008" / 25.6mm	515	1006
4 AWG (800/32) 25,0mm2				
2200404	4	1.343" / 34.1mm	644	1140
2 AWG (1120/32) 35,0mm2				
2200204	4	1.456" / 37.0mm	901	1542

* Additional sizes may be available.

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.

EXTRAFLEX-CP Shielded



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.

SUPERFLEX-P

UL/CSA/CE



SUPERFLEX-P is a polyurethane, very high flex, medium-duty, oil-resistant, halogen-free, continuous flex multi-conductor data transmission cable. These cables are ideal for all areas requiring a high and fast flexing cable commonly found in automated production processes, power chains, machine industries, robotics and other highly mobile machine parts. The small cable diameters allow installation in confined operating areas. The long working life offers outstanding performance as well as economy. Found in sensor technology, computers, control devices and measurement applications. Best suited for data and signal cable for power supply chains. The rugged PUR jacket adds high abrasion and tear resistance along with good chemical resistance to coolants and mineral oils. May be used in dry, damp or wet environments. Outdoor use is not permitted.



Construction:

- Super fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special polyolefin core insulation
- Color code DIN-47100 without color repetition
- Textile tape wrap over cores
- Full PUR outer jacket - gray (RAL 7001)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 250 volts
- Test voltage: 1500 volts
- Flexing bending radius: 5 x Ø
- Static bending radius: 3 x Ø
- Flexing temp: -40° C to +70° C
- Static temp: -50° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 100 MΩ x km

Approvals:

- UL/CSA type CMX
- VDE-0245, 0281, 0812
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
26 AWG (18/38) 0.14mm2				
2302602	2	0.157" / 4.0mm	2	15
2302603	3	0.161" / 4.2mm	3	17
2302604	4	0.173" / 4.4mm	4	21
2302605	5	0.185" / 4.7mm	5	23
2302607	7	0.213" / 5.4mm	7	34
2302610	10	0.252" / 6.4mm	9	42
2302612	12	0.271" / 6.9mm	11	47
2302614	14	0.283" / 7.1mm	13	52
2302618	18	0.303" / 7.7mm	17	61
2302625	25	0.339" / 8.6mm	23	84
24 AWG (32/38) 0.25mm2				
2302402	2	0.181" / 4.6mm	3	20
2302403	3	0.185" / 4.7mm	5	22
2302404	4	0.201" / 5.1mm	7	27
2302405	5	0.220" / 5.6mm	9	34
2302407	7	0.252" / 6.4mm	12	43
2302410	10	0.303" / 7.7mm	17	56
2302412	12	0.307" / 7.8mm	20	63
2302414	14	0.319" / 8.1mm	24	72
2302418	18	0.346" / 8.8mm	30	87
2302425	25	0.425" / 10.8mm	42	119
22 AWG (42/38) 0.34mm2				
2302202	2	0.193" / 4.9mm	5	26
2302203	3	0.205" / 5.2mm	7	29
2302204	4	0.224" / 5.7mm	9	38
2302205	5	0.244" / 6.2mm	11	44
2302207	7	0.280" / 7.1mm	16	57
2302210	10	0.364" / 8.8mm	23	79
2302212	12	0.370" / 9.4mm	27	90
2302214	14	0.381" / 9.7mm	32	101
2302218	18	0.394" / 10.0mm	41	122
2302225	25	0.484" / 12.3mm	57	168

* Additional sizes may be available.

SUPERFLEX-CP

UL/CSA/CE



SUPERFLEX-CP is a polyurethane, very high flex, medium-duty, oil-resistant, halogen-free, overall shielded, continuous flex multi-conductor data transmission cable. These cables are ideal for all areas requiring a high and fast flexing cable commonly found in automated production processes, power chains, machine industries, robotics and other highly mobile machine parts. The small cable diameters allow installation in confined operating areas. The long working life offers outstanding performance as well as economy. Found in sensor technology, computers, control devices and measurement applications. Best suited for data and signal cable for power supply chains. The tinned copper braid shielded assures disturbance-free transmissions of signals and impulses with better protection against EMI. The rugged PUR jacket adds high abrasion and tear resistance along with good chemical resistance to coolants and mineral oils. May be used in dry, damp or wet environments. Outdoor use is not permitted.



Construction:

- Super fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special polyolefin core insulation
- Color code DIN-47100 without color repetition
- Textile tape wrap over cores
- 85% Tinned Copper Braid
- Full PUR outer jacket - gray (RAL 7001)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 250 volts
- Test voltage: 1500 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -40° C to +70° C
- Static temp: -50° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 100 MΩ x km

Approvals:

- UL/CSA type CMX
- VDE-0245, 0281, 0812
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
26 AWG (18/38) 0,14mm²				
2312602	2	0.181" / 4.6mm	7	22
2312603	3	0.188" / 4.8mm	9	25
2312604	4	0.201" / 5.1mm	11	28
2312605	5	0.251" / 6.4mm	12	32
2312607	7	0.268" / 6.8mm	19	47
2312610	10	0.283" / 7.2mm	26	60
2312612	12	0.299" / 7.6mm	28	65
2312614	14	0.311" / 7.9mm	30	71
2312618	18	0.331" / 8.4mm	36	83
2312625	25	0.363" / 9.2mm	46	110
24 AWG (32/38) 0,25mm²				
2312402	2	0.201" / 5.1mm	10	26
2312403	3	0.216" / 5.5mm	13	31
2312404	4	0.233" / 5.9mm	14	36
2312405	5	0.248" / 6.3mm	21	48
2312407	7	0.284" / 7.2mm	27	60
2312410	10	0.335" / 8.5mm	36	77
2312412	12	0.346" / 8.8mm	40	86
2312414	14	0.363" / 9.2mm	43	95
2312418	18	0.389" / 9.9mm	52	112
2312425	25	0.449" / 11.4mm	68	148
22 AWG (42/38) 0,34mm²				
2312202	2	0.221" / 5.6mm	12	32
2312203	3	0.240" / 6.1mm	19	42
2312204	4	0.249" / 6.3mm	24	54
2312205	5	0.267" / 6.8mm	26	60
2312207	7	0.303" / 7.7mm	36	79
2312210	10	0.371" / 9.4mm	45	104
2312212	12	0.382" / 9.7mm	51	112
2312214	14	0.398" / 10.1mm	58	130
2312218	18	0.421" / 10.7mm	67	151
2312225	25	0.508" / 12.9mm	104	220

* Additional sizes may be available.

SUPERFLEX-CP-TP



SUPERFLEX-CP-TP is a polyurethane, very high flex, heavy-duty, oil-resistant, halogen-free, overall shielded, continuous flex multi-paired data transmission cable. These cables are ideal for all areas requiring a high and fast flexing cable commonly found in automated production processes, power chains, machine industries, robotics and other highly mobile machine parts. The small cable diameters allow installation in confined operating areas. The long working life offers outstanding performance as well as economy. Found in sensor technology, computers, control devices and measurement applications. Common applications include power chains, linear robots and automated handling equipment. Best suited for data and signal cable for power supply chains requiring high mechanical stress and extreme bending. The twisted pair design reduces crosstalk interference within the cable while the tinned copper braid shield provides disturbance-free transmissions of signals and impulses with better protection against EMI. The rugged PUR jacket adds high abrasion and tear resistance along with good chemical resistance to coolants and mineral oils. Used in dry, damp or wet environments. Outdoor use is not permitted.



Construction:

- Super fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 CI-6
- Special polyolefin core insulation in twisted pairs
- Color code DIN-47100 for twisted pairs
- Textile tape wrap over cores
- 85% Tinned Copper Braid
- Full PUR outer jacket - gray (RAL 7001)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 250 volts
- Test voltage: 1500 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -40° C to +70° C
- Static temp: -50° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 100 MΩ x km

Approvals:

- UL/CSA type CMX
- VDE-0245, 0281, 0812
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
26 AWG (18/38) 0,14mm2				
2322601	1	0.177" / 4.5mm	9	15
2322602	2	0.244" / 6.2mm	13	28
2322603	3	0.256" / 6.5mm	15	36
2322604	4	0.268" / 6.8mm	18	40
2322605	5	0.287" / 7.3mm	25	50
2322606	6	0.295" / 7.5mm	33	61
2322608	8	0.346" / 8.8mm	37	73
2322610	10	0.398" / 10.1mm	40	80
24 AWG (32/38) 0,25mm2				
2322401	1	0.201" / 5.1mm	11	18
2322402	2	0.287" / 7.3mm	18	40
2322403	3	0.303" / 7.7mm	26	48
2322404	4	0.327" / 8.3mm	29	60
2322405	5	0.350" / 8.9mm	35	69
2322406	6	0.362" / 9.2mm	48	88
2322408	8	0.425" / 10.8mm	59	104
2322410	10	0.488" / 12.4mm	67	125
2322414	14	0.504" / 12.8mm	78	147
22 AWG (42/38) 0,34mm2				
2322201	1	0.220" / 5.6mm	13	24
2322202	2	0.268" / 6.8mm	28	54
2322203	3	0.343" / 8.7mm	35	68
2322204	4	0.374" / 9.5mm	40	80
2322205	5	0.398" / 10.1mm	46	91
2322206	6	0.433" / 11.0mm	58	111
2322208	8	0.480" / 12.2mm	72	148
2322210	10	0.555" / 14.1mm	88	184
2322214	14	0.571" / 14.5mm	101	204

Sizes continued on next page.

SUPERFLEX-CP-TP



SUPERFLEX-CP-TP Sizes Continued. (20 AWG & Larger)

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (28/34) 0,50mm²				
2322001	1	0.244" / 6.2mm	15	32
2322002	2	0.366" / 9.3mm	34	66
2322003	3	0.398" / 10.1mm	48	87
2322004	4	0.421" / 10.7mm	50	99
2322005	5	0.465" / 11.8mm	57	113
2322006	6	0.480" / 12.2mm	68	130
2322008	8	0.567" / 14.4mm	97	190
2322010	10	0.646" / 16.4mm	118	230
2322014	14	0.665" / 16.9mm	144	269
19 AWG (42/34) 0,75mm²				
2321901	1	0.260" / 6.6mm	23	41
2321902	2	0.402" / 10.2mm	40	76
2321903	3	0.429" / 10.9mm	58	106
2321904	4	0.461" / 11.7mm	63	116
2321905	5	0.500" / 12.7mm	76	136
2321906	6	0.520" / 13.2mm	87	155
2321908	8	0.618" / 15.7mm	129	230
2321910	10	0.701" / 17.8mm	173	313
2321914	14	0.736" / 18.7mm	213	366
18 AWG (56/34) 1,00mm²				
2321801	1	0.276" / 7.0mm	28	48
2321802	2	0.433" / 11.0mm	49	87
2321803	3	0.469" / 11.9mm	63	114
2321804	4	0.492" / 12.5mm	79	137
2321805	5	0.559" / 14.2mm	93	160

* Additional sizes may be available.

MULTIFLEX-P



MULTIFLEX-P is a polyurethane, high flex, heavy-duty, oil-resistant, halogen-free, 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 permanent flexing and stationary applications under high mechanical stress with free movements in dry, damp and wet areas. These halogen-free cables offer optimum service life and expanded temperature ranges found in moveable machinery, robotics, automated machine parts, cable tracks and multi-shift operations. Best for applications that require extreme bending stress and smallest bending radius possible with long travel distances. The rugged PUR jacket adds high abrasion, tear resistance and adhesion-free qualities along with good chemical resistance to coolants and mineral oils. Outdoor installation is permitted due to the weather, ozone and UV-resistant outer jacket.



Construction:

- Extra fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special TPE core insulation
- Color code VDE-0293 - black & numbered
- Ground wire in outer layer
- Fleece wrap over each layer of cores
- Full-PUR outer jacket - gray (RAL 7001)
- "OZ" denotes no ground wire
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500 volts
- Test voltage: 3000 volts
- Flexing bending radius: 5 x Ø
- Static bending radius: 3 x Ø
- Flexing temp: -40° C to +70° C
- Static temp: -50° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 100 MΩ x km

Approvals:

- VDE-0245, 0281, 0282 Part 1 & 10.
- 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				
2402002 OZ	2	0.217" / 5.5mm	7	25
2402003	3	0.228" / 5.8mm	9	31
2402004	4	0.252" / 6.4mm	13	40
2402005	5	0.276" / 7.0mm	16	46
2402006	6	0.295" / 7.5mm	19	53
2402007	7	0.319" / 8.1mm	23	59
2402012	12	0.390" / 9.9mm	39	88
2402018	18	0.453" / 11.5mm	58	132
2402020	20	0.476" / 12.1mm	64	174
2402025	25	0.535" / 13.6mm	80	189
2402030	30	0.563" / 14.3mm	97	211
2402036	36	0.606" / 15.4mm	115	251
18 AWG (42/34) 0.75mm2				
2401802 OZ	2	0.244" / 6.2mm	9	32
2401803	3	0.256" / 6.5mm	15	39
2401804	4	0.280" / 7.1mm	19	46
2401805	5	0.307" / 7.8mm	24	57
2401807	7	0.354" / 9.0mm	34	79
2401812	12	0.437" / 11.1mm	58	123
2401818	18	0.508" / 12.9mm	87	181
2401820	20	0.547" / 13.5mm	97	195
2401825	25	0.606" / 15.4mm	121	251
2401830	30	0.634" / 16.1mm	145	282
2401836	36	0.685" / 17.4mm	174	334
17 AWG (56/34) 1.00mm2				
2401702 OZ	2	0.272" / 6.9mm	13	37
2401703	3	0.291" / 7.4mm	19	47
2401704	4	0.315" / 8.0mm	25	58
2401705	5	0.343" / 8.7mm	32	68
2401707	7	0.402" / 10.2mm	45	96
2401712	12	0.496" / 12.6mm	77	151
2401718	18	0.583" / 14.8mm	116	224
2401720	20	0.622" / 15.8mm	129	248
2401725	25	0.701" / 17.8mm	161	309
2401730	30	0.728" / 18.5mm	193	355

Sizes continued on next page.

MULTIFLEX-P



MULTIFLEX-P Sizes Continued. (17 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (56/34) 1,00mm² Cont.				
2401736	36	0.791" / 20.1mm	232	419
2401741	41	0.835" / 21.2mm	275	523
2401750	50	0.945" / 24.0mm	334	639
2401765	65	1.071" / 27.2mm	435	808
16 AWG (84/34) 1,50mm²				
2401602 OZ	2	0.299" / 7.6mm	19	47
2401603	3	0.319" / 8.1mm	29	60
2401604	4	0.343" / 8.7mm	39	71
2401605	5	0.382" / 9.7mm	48	97
2401607	7	0.445" / 11.3mm	68	138
2401612	12	0.543" / 13.8mm	116	215
2401618	18	0.642" / 16.3mm	174	312
2401620	20	0.681" / 17.3mm	193	342
2401625	25	0.776" / 19.7mm	241	436
2401630	30	0.799" / 20.3mm	290	503
2401636	36	0.874" / 22.2mm	347	590
2401641	41	0.941" / 23.9mm	421	811
2401650	50	1.031" / 26.2mm	502	972
2401661	61	1.138" / 28.9mm	612	1148
14 AWG (140/34) 2,50mm²				
2401402 OZ	2	0.362" / 9.2mm	32	77
2401403	3	0.382" / 9.7mm	48	109
2401404	4	0.413" / 10.5mm	64	131
2401405	5	0.457" / 11.6mm	80	154
2401407	7	0.543" / 13.8mm	113	209
2401412	12	0.665" / 16.9mm	193	357
2401418	18	0.787" / 20.0mm	290	511
2401420	20	0.835" / 21.2mm	322	575
2401425	25	0.957" / 24.3mm	402	669
12 AWG (224/34) 4,0mm²				
2401204	4	0.516" / 13.1mm	103	190
2401205	5	0.559" / 14.2mm	129	234
2401207	7	0.673" / 17.1mm	180	334
10 AWG (192/32) 6,0mm²				
2401004	4	0.563" / 14.3mm	154	290
2401005	5	0.622" / 15.8mm	193	355
2401007	7	0.756" / 19.2mm	270	525
8 AWG (320/32) 10,0mm²				
2400804	4	0.724" / 18.4mm	258	459
2400805	5	0.815" / 20.7mm	322	548
2400807	7	0.972" / 24.7mm	451	686
6 AWG (512/32) 16,0mm²				
2400604	4	0.839" / 21.3mm	412	699
2400605	5	0.937" / 23.8mm	515	867
2400607	7	1.126" / 28.6mm	721	1146

* Additional sizes may be available.

MULTIFLEX-CP



MULTIFLEX-CP is a polyurethane, high flex, heavy-duty, oil-resistant, overall shielded, halogen-free, 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 permanent flexing and stationary applications under high mechanical stress with free movements in dry, damp and wet areas. These halogen-free cables offer optimum service life and expanded temperature ranges found in moveable machinery, robotics, automated machine parts, cable tracks and multi-shift operations. Best for applications that require extreme bending stress and smallest bending radius possible with long travel distances. The tinned copper braid shield offers effective protection from both internal and external interference. The rugged PUR jacket adds high abrasion, tear resistance and adhesion-free qualities along with good chemical resistance to coolants and mineral oils. Outdoor installation is permitted due to the weather, ozone and UV-resistant outer jacket.



Construction:

- Extra fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special TPE core insulation
- Color code VDE-0293 - black & numbered
- Ground wire in outer layer
- Fleece wrap over each layer of cores
- Gray TPE 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: 3000 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -40° C to +70° C
- Static temp: -50° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 100 MΩ x km

Approvals:

- VDE-0245, 0281, 0282 Part 1 & 10.
- 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				
2412002 OZ	2	0.327" / 8.3mm	32	60
2412003	3	0.335" / 8.5mm	35	70
2412004	4	0.354" / 9.0mm	37	83
2412005	5	0.382" / 9.7mm	44	89
2412006	6	0.410" / 10.4mm	50	103
2412007	7	0.437" / 11.1mm	56	117
2412012	12	0.500" / 12.7mm	78	168
2412018	18	0.579" / 14.7mm	105	218
2412020	20	0.606" / 15.4mm	112	235
2412025	25	0.669" / 17.0mm	152	302
2412030	30	0.705" / 17.9mm	183	342
2412036	36	0.756" / 19.2mm	205	389
18 AWG (42/34) 0.75mm2				
2411802 OZ	2	0.346" / 8.8mm	36	74
2411803	3	0.366" / 9.3mm	42	80
2411804	4	0.382" / 9.7mm	52	99
2411805	5	0.413" / 10.5mm	58	107
2411807	7	0.469" / 11.9mm	71	138
2411812	12	0.559" / 14.2mm	105	207
2411818	18	0.642" / 16.3mm	156	282
2411820	20	0.665" / 16.9mm	167	302
2411825	25	0.756" / 19.2mm	210	388
2411830	30	0.776" / 19.7mm	235	423
2411836	36	0.835" / 21.2mm	268	500
17 AWG (56/34) 1.00mm2				
2411702 OZ	2	0.382" / 9.7mm	40	80
2411703	3	0.398" / 10.1mm	47	91
2411704	4	0.425" / 10.8mm	58	116
2411705	5	0.461" / 11.7mm	66	125
2411707	7	0.528" / 13.4mm	83	161
2411712	12	0.630" / 16.0mm	125	241
2411718	18	0.728" / 18.5mm	187	334
2411720	20	0.763" / 19.4mm	216	381

Sizes continued on next page.

MULTIFLEX-CP



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

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (56/34) 1,00mm2				
2411725	25	0.854" / 21.7mm	358	449
2411730	30	0.886" / 22.5mm	407	519
2411736	36	0.957" / 24.3mm	471	600
2411741	41	1.028" / 26.1mm	556	692
2411750	50	1.118" / 28.4mm	688	778
2411765	65	1.267" / 32.2mm	798	1113
16 AWG (84/34) 1,50mm2				
2411602 OZ	2	0.402" / 10.2mm	53	97
2411603	3	0.433" / 11.0mm	63	113
2411604	4	0.457" / 11.6mm	76	146
2411605	5	0.496" / 12.6mm	87	158
2411607	7	0.571" / 14.5mm	114	218
2411612	12	0.685" / 17.4mm	187	323
2411618	18	0.783" / 19.9mm	264	453
2411620	20	0.858" / 21.8mm	358	515
2411625	25	0.933" / 23.7mm	407	622
2411636	36	1.039" / 26.4mm	471	812
2411641	41	1.110" / 28.2mm	556	967
2411650	50	1.228" / 31.2mm	688	1146
2411661	61	1.346" / 34.2mm	798	1358
14 AWG (140/34) 2,50mm2				
2411402 OZ	2	0.469" / 11.9mm	70	133
2411403	3	0.496" / 12.6mm	87	190
2411404	4	0.535" / 13.6mm	110	254
2411405	5	0.579" / 14.7mm	127	284
2411407	7	0.685" / 17.4mm	184	326
2411412	12	0.823" / 20.9mm	286	507
2411418	18	0.952" / 24.2mm	407	756
2411420	20	1.007" / 25.6mm	443	811
2411425	25	1.146" / 29.1mm	534	1026
12 AWG (224/34) 4,0mm2				
2411204	4	0.650" / 16.5mm	149	300
2411205	5	0.713" / 18.1mm	220	358
2411207	7	0.787" / 20.0mm	241	455
10 AWG (192/32) 6,0mm2				
2411004	4	0.720" / 18.3mm	205	427
2411005	5	0.772" / 19.6mm	296	518
2411007	7	0.913" / 23.2mm	339	690
8 AWG (320/32) 10,0mm2				
2410804	4	0.886" / 22.5mm	325	706
2410805	5	0.972" / 24.7mm	409	735
2410807	7	1.151" / 29.3mm	550	1026
6 AWG (512/32) 16,0mm2				
2410604	4	1.012" / 25.7mm	563	930
2410605	5	1.110" / 28.2mm	704	1180
2410607	7	1.323" / 33.6mm	1013	1399

* Additional sizes may be available.

EXTRAFLEX-H



EXTRAFLEX-H is a halogen-free, high flex, light-weight, 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 and damp areas. Applications include cable tracks, power chains, connection cables, pick and place units, automated handling equipment, assembly lines, conveyor systems and applications that require a small bending radius. The halogen-free thermoplastic polyolefin copolymer inner and outer jacket construction offers optimal small external diameters and small bending radii. 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 halogen-free* polyolefin core insulation
- Color code VDE-0293 - black & numbered
- Ground wire in outer layer
- Fleece wrap over cores
- Halogen-free* outer jacket - gray (RAL 7001)
- "OZ" denotes no ground wire
- *Thermoplastic polyolefin copolymer

Technical:

- Working voltage: 300/500 volts
- Test voltage: 4000 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -25° C to +70° C
- Static temp: -40° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- VDE-0245, 0250, 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
18 AWG (42/34) 0,75mm2				
2821802 OZ	2	0.244" / 6.2mm	10	30
2801803	3	0.264" / 6.7mm	15	37
2821803 OZ	3	0.264" / 6.7mm	15	37
2801804	4	0.287" / 7.3mm	19	45
2801805	5	0.311" / 7.9mm	25	53
2801807	7	0.370" / 9.4mm	34	72
2801812	12	0.441" / 11.2mm	58	113
2801818	18	0.524" / 13.3mm	87	162
2801825	25	0.650" / 16.5mm	121	225
17 AWG (56/34) 1,00mm2				
2821702 OZ	2	0.260" / 6.6mm	13	36
2801703	3	0.280" / 7.1mm	19	44
2821703 OZ	3	0.280" / 7.1mm	19	44
2801704	4	0.307" / 7.8mm	26	54
2801705	5	0.335" / 8.5mm	32	64
2801707	7	0.398" / 10.1mm	45	88
2801712	12	0.472" / 12.0mm	77	140
2801718	18	0.571" / 14.5mm	83	205
2801725	25	0.701" / 17.8mm	161	278
2801741	41	0.835" / 21.2mm	264	449
2801750	50	0.902" / 22.9mm	322	540
16 AWG (84/34) 1,50mm2				
2821602 OZ	2	0.287" / 7.3mm	19	46
2801603	3	0.311" / 7.9mm	29	58
2821603 OZ	3	0.311" / 7.9mm	29	58
2801604	4	0.339" / 8.6mm	39	71
2801605	5	0.378" / 9.6mm	48	87
2801607	7	0.453" / 11.5mm	68	119
2801612	12	0.531" / 13.5mm	116	186
2801618	18	0.642" / 16.3mm	174	272
2801625	25	0.787" / 20.0mm	241	374
2801634	34	0.854" / 21.7mm	329	496
2801641	41	0.929" / 23.6mm	411	594
2801650	50	1.008" / 25.6mm	483	720

Sizes continued on next page.

EXTRAFLEX-H



EXTRAFLEX-H Sizes Continued. (14 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
14 AWG (140/34) 2,50mm²				
2801403	3	0.374" / 9.5mm	48	91
2801404	4	0.413" / 10.5mm	64	113
2801405	5	0.465" / 11.8mm	80	138
2801407	7	0.559" / 14.2mm	113	191
2801412	12	0.657" / 16.7mm	193	300
12 AWG (224/34) 4,0mm²				
2801204	4	0.484" / 12.3mm	107	168
10 AWG (192/32) 6,0mm²				
2801004	4	0.571" / 14.5mm	150	252
2801005	5	0.638" / 16.2mm	193	307

* Additional sizes may be available.

EXTRAFLEX-CH



EXTRAFLEX-CH is a halogen-free, high flex, light-weight, 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 and damp areas. Applications include cable tracks, power chains, connection cables, pick and place units, automated handling equipment, assembly lines, 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 halogen-free thermoplastic polyolefin copolymer inner and outer jacket construction offers optimal small external diameters and small bending radii. 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 halogen-free* polyolefin core insulation
- Color code VDE-0293 - black & numbered
- Ground wire in outer layer
- Fleece wrap over cores
- Gray polyolefin copolymer inner jacket
- 85% Tinned Copper Braid
- Halogen-free* outer jacket - gray (RAL 7001)
- "OZ" denotes no ground wire
- *Thermoplastic polyolefin copolymer

Technical:

- Working voltage: 300/500 volts
- Test voltage: 4000 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 5 x Ø
- Flexing temp: -25° 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, 0250, 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
18 AWG (42/34) 0,75mm2				
2811802 OZ	2	0.287" / 7.3mm	26	53
2811803	3	0.307" / 7.8mm	32	62
2811804	4	0.331" / 8.4mm	40	72
2811805	5	0.354" / 9.0mm	46	83
2811807	7	0.421" / 10.7mm	60	111
2811812	12	0.488" / 12.4mm	87	158
2811818	18	0.587" / 14.9mm	138	231
2811825	25	0.709" / 18.0mm	182	307
17 AWG (56/34) 1,00mm2				
2811702 OZ	2	0.303" / 7.7mm	31	60
2811703	3	0.323" / 8.2mm	38	71
2811704	4	0.350" / 8.9mm	47	84
2811705	5	0.386" / 9.8mm	54	100
2811707	7	0.449" / 11.4mm	74	130
2811712	12	0.528" / 13.4mm	122	197
2811718	18	0.634" / 16.1mm	170	279
2811725	25	0.768" / 19.5mm	245	381
2811741	41	0.913" / 23.2mm	364	580
2811750	50	0.996" / 25.3mm	429	710
16 AWG (84/34) 1,50mm2				
2811602 OZ	2	0.331" / 8.4mm	39	73
2811603	3	0.354" / 9.0mm	50	87
2811604	4	0.390" / 9.9mm	61	106
2811605	5	0.429" / 10.9mm	75	126
2811607	7	0.500" / 12.7mm	97	165
2811612	12	0.594" / 15.1mm	166	256
2811618	18	0.701" / 17.8mm	233	354
2811625	25	0.862" / 21.9mm	334	494
2811634	34	0.965" / 24.5mm	470	637
2811641	41	1.024" / 26.0mm	553	768
2811650	50	1.110" / 28.2mm	644	914

Sizes continued on next page.

EXTRAFLEX-CH



EXTRAFLEX-CH Sizes Continued. (14 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
14 AWG (140/34) 2,50mm²				
2811403	3	0.425" / 10.8mm	80	129
2811404	4	0.465" / 11.8mm	108	155
2811405	5	0.520" / 13.2mm	138	194
2811407	7	0.622" / 15.8mm	176	264
12 AWG (224/34) 4,0mm²				
2811204	4	0.539" / 13.7mm	160	228
10 AWG (192/32) 6,0mm²				
2811004	4	0.634" / 16.1mm	213	326
2811005	5	0.697" / 17.7mm	275	390

* Additional sizes may be available.

ULTRAFLEX-S UL/CSA/CE



ULTRAFLEX-S is a PVC, high flex, heavy-duty, oil-resistant, UL/CSA/CE approved, continuous flex single-conductor power supply chain cable. These cables are designed for medium mechanical stresses and movements in dry, moist and wet conditions. These special cables provide increased flex life and resistance to oil, synthetic oils and water based coolants. Applications commonly found in machine tools, robots, moveable automated machinery parts, production plants, body presses and transfer lines. Designed for applications with continuous movement in power chains with minimum bending radius. Available with green/yellow or black PVC inner jacket. 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
- Inner PVC jacket of green/yellow or black
- PVC outer jacket - black (RAL 9005)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 600/1kV (600v UL)
- Test voltage: 4000 volts
- Flexing bending radius: $7.5 \times \varnothing$
- Static bending radius: $3 \times \varnothing$
- Flexing temp: -5°C to $+90^{\circ}\text{C}$
- Static temp: -40°C to $+90^{\circ}\text{C}$
- Flame retardant: IEC 60332.1, FT-1
- Insulation resistance: 200 M Ω x km

Approvals:

- UL-AWM Style 10107
- CSA AWM I/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
8 AWG (320/32) 10,0mm2 25408**	1	.370" / 9.4mm	64	121
6 AWG (512/32) 16,0mm2 25406**	1	.413" / 10.5mm	103	168
4 AWG (800/32) 25,0mm2 25404**	1	.457" / 11.6mm	161	248
2 AWG (1120/32) 35,0mm2 25402**	1	.571" / 14.5mm	225	329
1 AWG (705/28) 50,0mm2 25401**	1	.654" / 16.6mm	322	446
2/0 AWG (990/28) 70,0mm2 25421**	1	.709" / 18.0mm	451	610
3/0 AWG (1340/28) 95,0mm2 25431**	1	.807" / 20.5mm	612	802
4/0 AWG (1690/28) 120,0mm2 25441**	1	.906" / 23.0mm	773	1036
250 MCM (2123/28) 150,0mm2 25425**	1	.992" / 25.2mm	966	1174
350 MCM (1470/26) 185,0mm2 25435**	1	1.142" / 29.0mm	1191	1556
450 MCM (1905/26) 240,0mm2 25445**	1	1.280" / 32.5mm	1545	1985
550 MCM (2385/26) 300,0mm2 25455**	1	1.394" / 35.4mm	1932	2381

* Additional sizes may be available.

Color Code Chart

00 - Green/Yellow
01 - Black

Insert a 2-digit color code from the color code chart for the ** found at the end of the proper part number.

i.e. - 2542100 - #2/0 AWG Core with Green/Yellow Inner PVC jacket

i.e. - 2540801 - #8 AWG Core with Black inner PVC jacket

ULTRAFLEX-S-CY UL/CSA/CE



ULTRAFLEX-S-CY is a PVC, high flex, heavy-duty, oil-resistant, overall braid shielded, UL/CSA/CE approved continuous flex single-conductor power supply chain cable. These cables are designed for medium mechanical stresses and movements in dry, moist and wet conditions. These special cables provide increased flex life and resistance to oil, synthetic oils and water based coolants. Applications commonly found in machine tools, robots, moveable automated machinery parts, production plants, body presses and transfer lines. Designed for power circuits of servo motors driven by frequency converters as well as main spindle drives in machine tools. Optimized for continuous movement in power chains with minimum bending radius. The tinned copper braid shield provides disturbance-free transmissions of signals and impulses with added EMI protection. Available with green/yellow or black PVC inner jacket. 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
- Inner PVC jacket of green/yellow or black
- 85% Tinned Copper Braid
- Fleece wrap
- PVC outer jacket - orange (RAL 2003)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 600/1kV (600v UL)
- Test voltage: 4000 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 3 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: 200 MΩ x km

Approvals:

- UL-AWM Style 10107
- CSA AWM I/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
8 AWG (320/32) 10,0mm2 25508**	1	.394" / 10.0mm	87	154
6 AWG (512/32) 16,0mm2 25506**	1	.437" / 11.1mm	127	201
4 AWG (800/32) 25,0mm2 25504**	1	.484" / 12.3mm	174	282
2 AWG (1120/32) 35,0mm2 25502**	1	.594" / 15.1mm	272	413
1 AWG (705/28) 50,0mm2 25501**	1	.677" / 17.2mm	376	553
2/0 AWG (990/28) 70,0mm2 25521**	1	.748" / 19.0mm	523	731
3/0 AWG (1340/28) 95,0mm2 25531**	1	.866" / 22.0mm	691	936
4/0 AWG (1690/28) 120,0mm2 25541**	1	.929" / 23.6mm	862	1187
250 MCM (2123/28) 150,0mm2 25525**	1	1.016" / 25.8mm	959	1295
350 MCM (1470/26) 185,0mm2 25535**	1	1.173" / 29.8mm	1301	1767
450 MCM (1905/26) 240,0mm2 25545**	1	1.319" / 33.5mm	1697	2267
550 MCM (2385/26) 300,0mm2 25555**	1	1.425" / 36.2mm	2106	2763

* Additional sizes may be available.

Color Code Chart

00 - Green/Yellow

01 - Black

Insert a 2-digit color code from the color code chart for the ** found at the end of the proper part number.

i.e. - 2554100 - #4/0 AWG Core with Green/Yellow Inner PVC jacket

i.e. - 2540601 - #6 AWG Core with Black inner PVC jacket

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.

ULTRAFLEX UL/CSA/CE



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.

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

ULTRAFLEX-CY ULAWM 2587 CSA-AWM I/II A/B FT 1 CE



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
20 AWG (28/34) 0,50mm2				
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
19 AWG (42/34) 0,75mm2				
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
16 AWG (84/34) 1,50mm2				
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
14 AWG (140/34) 2,50mm2				
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.

ULTRAFLEX-CY UL/CSA/CE



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

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
12 AWG (224/34) 4,00mm²				
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
10 AWG (192/32) 6,00mm²				
2611004	4	0.665" / 16.9mm	204	363
8 AWG (320/32) 10,0mm²				
2610804	4	0.843" / 21.4mm	335	592
6 AWG (512/32) 16,0mm²				
2610604	4	1.059" / 26.9mm	539	944
4 AWG (800/32) 25,0mm²				
2610404	4	1.244" / 31.6mm	791	1338
2 AWG (1120/32) 35,0mm²				
2610204	4	1.425" / 36.2mm	1068	1792

* Additional sizes may be available.

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 Cl-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: $7.5 \times \varnothing$
- Static bending radius: $4 \times \varnothing$
- Flexing temp: -5°C to $+80^{\circ}\text{C}$
- Static temp: -40°C to $+80^{\circ}\text{C}$
- Flame retardant: IEC 60332.1, FT-1
- Insulation resistance: $20\text{ M}\Omega \times \text{km}$

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
20 AWG (28/34) 0,50mm²				
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
19 AWG (42/34) 0,75mm²				
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
16 AWG (84/34) 1,50mm²				
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.

ULTRAFLEX-P UL/CSA/CE



ULTRAFLEX-P Sizes Continued. (16 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
16 AWG (84/34) 1,50mm2 Cont.				
2621634	34	0.933" / 23.7mm	329	611
2621650	50	1.102" / 28.0mm	483	865
2621660	60	1.177" / 29.9mm	580	1018
14 AWG (140/34) 2,50mm2				
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
12 AWG (224/34) 4,00mm2				
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
10 AWG (192/32) 6,00mm2				
2621004	4	0.555" / 14.1mm	154	244
2621005	5	0.622" / 15.8mm	193	308
8 AWG (320/32) 10,0mm2				
2620804	4	0.724" / 18.4mm	258	406
2620805	5	0.807" / 20.5mm	322	515
6 AWG (512/32) 16,0mm2				
2620604	4	0.945" / 24.0mm	412	654
2620605	5	1.063" / 27.0mm	515	834
4 AWG (800/32) 25,0mm2				
2620404	4	1.118" / 28.4mm	644	966
2620405	5	1.256" / 31.9mm	805	1231
2 AWG (1120/32) 35,0mm2				
2620204	4	1.264" / 32.1mm	901	1285
2620205	5	1.406" / 35.7mm	1127	1633

* Additional sizes may be available.

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

ULTRAFLEX-CP UL-AWM 20234 CSA-AWM I/II A/B FT 1 CE



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
20 AWG (28/34) 0,50mm2				
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
19 AWG (42/34) 0,75mm2				
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
16 AWG (84/34) 1,50mm2				
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
16 AWG (84/34) 1,50mm² Cont.				
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
14 AWG (140/34) 2,50mm²				
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
12 AWG (224/34) 4,00mm²				
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
10 AWG (192/32) 6,00mm²				
2631004	4	0.646" / 16.4mm	204	346
2631005	5	0.701" / 17.8mm	244	415
8 AWG (320/32) 10,0mm²				
2630804	4	0.831" / 21.1mm	335	433
2630805	5	0.913" / 23.2mm	409	698
6 AWG (512/32) 16,0mm²				
2630604	4	1.071" / 27.2mm	539	902
2630605	5	1.201" / 30.5mm	655	1143
4 AWG (800/32) 25,0mm²				
2630404	4	1.264" / 32.1mm	791	1303
2630405	5	1.386" / 35.2mm	956	1604
2 AWG (1120/32) 35,0mm²				
2630204	4	1.390" / 35.3mm	1068	1660
2630205	5	1.531" / 38.9mm	1314	2058

* Additional sizes may be available.

ULTRAFLEX-R UL/CSA/CE



ULTRAFLEX-R is a PVC, ultra-flexible, heavy-duty, oil-resistant, continuous flex multi-conductor power chain cable. Designed for medium mechanical stress and free movements in dry, damp and wet areas. These special cables provide increased flex life and resistance to oil, synthetic oils and water based coolants. Best for permanent flexing in drag chain applications found in the auto industry. 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 over 5 million flex 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.

ULTRAFLEX-R UL-AWM 2587 CSA-AWM I/II A/B FT 1 CE



Construction:

- Super fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special PVC core insulation
- Special color code VDE-0293 - red & 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
- UL 10012 (core insulation)
- CSA AWM I/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 (74/38) 0,50mm²				
2502003	3	0.236" / 6.0mm	9	39
2502004	4	0.256" / 6.5mm	13	46
2502005	5	0.280" / 7.1mm	16	56
2502007	7	0.323" / 8.2mm	23	83
2502009	9	0.394" / 10.0mm	29	118
2502012	12	0.413" / 10.5mm	39	129
2502018	18	0.492" / 12.5mm	58	172
2502025	25	0.591" / 15.0mm	80	240
2502034	34	0.677" / 17.2mm	109	327
18 AWG (114/38) 1,00mm²				
2501803	3	0.260" / 6.6mm	19	59
2501804	4	0.280" / 7.1mm	25	68
2501805	5	0.307" / 7.8mm	32	85
2501807	7	0.362" / 9.2mm	45	97
2501809	9	0.429" / 10.9mm	58	132
2501812	12	0.453" / 11.5mm	77	174
2501815	15	0.520" / 13.2mm	97	201
2501818	18	0.551" / 14.0mm	116	241
2501825	25	0.677" / 17.2mm	161	429
2501834	34	0.752" / 19.1mm	219	490
16 AWG (190/38) 1,50mm²				
2501603	3	0.291" / 7.4mm	30	63
2501604	4	0.315" / 8.0mm	39	78
2501605	5	0.346" / 8.8mm	48	94
2501607	7	0.425" / 10.8mm	68	125
2501609	9	0.499" / 12.7mm	87	164
2501612	12	0.531" / 13.5mm	116	214
2501618	18	0.630" / 16.0mm	174	303
2501625	25	0.780" / 19.8mm	241	419
2501634	34	0.882" / 22.4mm	329	563
2501650	50	1.094" / 27.8mm	441	878
2501660	60	1.189" / 30.2mm	584	1075

Sizes continued on next page.

ULTRAFLEX-R UL/CSA/CE



ULTRAFLEX-R Sizes Continued. (14 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
14 AWG (320/38) 2,50mm²				
2501403	3	0.350" / 8.9mm	48	101
2501404	4	0.398" / 10.1mm	64	124
2501405	5	0.445" / 11.3mm	80	162
2501407	7	0.535" / 13.6mm	113	197
2501412	12	0.661" / 16.8mm	193	334
12 AWG (512/38) 4,00mm²				
2501203	3	0.429" / 10.9mm	77	155
2501204	4	0.488" / 12.4mm	103	200
2501205	5	0.543" / 13.8mm	129	249
2501207	7	0.654" / 16.6mm	180	309
10 AWG (343/34) 6,00mm²				
2501004	4	0.575" / 14.6mm	155	288
8 AWG (301/32) 10,0mm²				
2500804	4	0.717" / 18.2mm	258	483
6 AWG (483/32) 16,0mm²				
2500604	4	0.866" / 22.0mm	413	711
4 AWG (768/32) 25,0mm²				
2500404	4	1.043" / 26.5mm	643	1066
2 AWG (1026/32) 35,0mm²				
2500204	4	1.213" / 30.8mm	901	1412

* Additional sizes may be available.

ULTRAFLEX-R-CY UL/CSA/CE



ULTRAFLEX-R-CY is a PVC, ultra-flexible, heavy-duty, oil-resistant, overall shielded, continuous flex multi-conductor power chain cable. Designed for medium mechanical stress and free movements in dry, damp and wet areas. These special cables provide increased flex life and resistance to oil, synthetic oils and water based coolants. Best for permanent flexing in drag chain applications found in the auto industry. Also 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 over 5 million flex cycles in power chains. The tinned copper braid shield provides disturbance-free transmissions of signals and impulses with additional protection against EMI emissions. The black UV-resistant jacket allows for outdoor installations within the noted temperature ranges.

ULTRAFLEX-R-CY UL-AWM 2587 CSA-AWM I/II A/B FT 1 CE



Construction:

- Super fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special PVC core insulation
- Special color code VDE-0293 - red & 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
- UL 10012 (core insulation)
- CSA AWM I/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 (74/38) 0,50mm2				
2512003	3	0.335" / 8.5mm	30	83
2512004	4	0.358" / 9.1mm	35	91
2512005	5	0.390" / 9.9mm	46	103
2512007	7	0.433" / 11.0mm	62	128
2512009	9	0.488" / 12.4mm	90	163
2512012	12	0.531" / 13.5mm	109	216
2512018	18	0.583" / 14.8mm	117	235
2512025	25	0.630" / 16.0mm	128	251
2512034	34	0.748" / 19.0mm	150	292
18 AWG (114/38) 1,00mm2				
2511803	3	0.350" / 8.9mm	38	89
2511804	4	0.382" / 9.7mm	54	104
2511805	5	0.409" / 10.4mm	60	121
2511807	7	0.472" / 12.0mm	71	140
2511809	9	0.555" / 14.1mm	108	215
2511812	12	0.598" / 15.2mm	117	239
2511815	15	0.657" / 16.7mm	137	264
2511818	18	0.693" / 17.6mm	162	317
2511825	25	0.815" / 20.7mm	229	436
2511834	34	0.957" / 24.3mm	291	524
16 AWG (190/38) 1,50mm2				
2511603	3	0.402" / 10.2mm	60	111
2511604	4	0.499" / 11.0mm	65	129
2511605	5	0.465" / 11.8mm	74	150
2511607	7	0.551" / 14.0mm	99	184
2511609	9	0.641" / 16.3mm	129	238
2511612	12	0.673" / 17.1mm	172	309
2511618	18	0.795" / 20.2mm	241	452
2511625	25	0.992" / 25.2mm	365	637
2511634	34	1.106" / 28.1mm	452	807
2511650	50	1.206" / 32.0mm	624	1263

Sizes continued on next page.

ULTRAFLEX-R-CY UL/CSA/CE



ULTRAFLEX-R-CY Sizes Continued. (14 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
14 AWG (320/38) 2,50mm²				
2511403	3	0.465" / 11.8mm	95	148
2511404	4	0.520" / 13.2mm	114	181
2511405	5	0.559" / 14.2mm	131	235
2511407	7	0.685" / 17.4mm	168	287
2511412	12	0.827" / 21.0mm	247	490
2511418	18	1.000" / 25.4mm	429	765
12 AWG (512/38) 4,00mm²				
2511203	3	0.551" / 14.0mm	121	199
2511204	4	0.626" / 15.9mm	156	245
2511205	5	0.697" / 17.7mm	221	306
2511207	7	0.823" / 20.9mm	265	494
10 AWG (343/34) 6,00mm²				
2511004	4	0.720" / 18.3mm	212	384
8 AWG (301/32) 10,0mm²				
2510804	4	0.913" / 23.2mm	329	679
6 AWG (483/32) 16,0mm²				
2510604	4	1.087" / 27.6mm	570	939
4 AWG (768/32) 25,0mm²				
2510404	4	1.303" / 33.1mm	973	1409
2 AWG (1026/32) 35,0mm²				
2510204	4	1.488" / 37.8mm	1268	1710

* Additional sizes may be available.