

# OLFLEX®-190

## Oil Resistant Flexible Control Cable



OLFLEX®-190 is a multi-conductor, 600 Volt, 90°C UL and CSA approved, oil resistant flexible control cable. The compact cable design permits easier handling and installation in confined operating areas. Our specially blended PVC jacket passes the stringent requirements of the VDE 0472 Section 803 oil test, providing optimum resistance to mineral oils, synthetic oils and water based coolants. OLFLEX®-190 control

cables are designed for use in all electrical equipment in dry, damp, and wet conditions. Recommended applications are machine tools, assembly lines, control systems, data processing equipment, connections between control panels and machines, CNC machining centers, grinding machines, and bottling equipment.

### Construction:

Finely stranded bare copper conductors; specially blended PVC insulation; non-wicking fillers; dry lubricant; specially formulated oil resistant gray PVC jacket.

OLFLEX® -190 RU AWM 16 AWG (1.5 mm<sup>2</sup>)12C E83634— CSA AWM I A/B II A/B FT1 600V 90°C FT 1 LL53776 CE

Also available with the following options:

- Blue or red insulation
- Black overall jacket

### Technical Data:

Minimum bend radius  
for installation: 5 x cable diameter

Rated temperature:  
for flexible use: -5°C to +90°C  
Stationary applications: -40°C to +90°C

Rated voltage: 600 V

Test voltage: 3000 V

Insulation resistance: 20 G x cm

Conductor stranding: Fine wire per VDE 0295

Color code: Black with white numbers,  
plus green/yellow

Approvals: UL AWM  
CSA AWM II A/B FT1

Conforms to CE Directives

Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Approx. Weight		Part Number	Number of Conductors includes ground	Nominal Outer Diameter		Approx. Weight	
		inches	mm	lbs/mft	kg/km			inches	mm	lbs/mft	kg/km
20 AWG (12/30) 0.50 mm <sup>2</sup>						14 AWG (50/30) 2.50 mm <sup>2</sup>					
602002	2	.228	5.8	39	58	601641	41	.941	23.9	827	1230
602003	3	.240	6.1	41	61	601650	50	1.024	26.0	1008	1500
602004	4	.260	6.6	51	76	601661	61	1.095	27.8	1208	1800
602005	5	.287	7.3	60	89	12 AWG (56/28) 4.00 mm <sup>2</sup>					
602007	7	.311	7.9	81	120	601402	2	.323	8.2	87	130
602009	9	.409	10.4	135	201	601403	3	.343	8.7	93	138
602012	12	.421	10.7	168	250	601404	4	.398	10.1	122	182
602018	18	.508	12.9	198	295	601405	5	.429	10.9	145	216
602025	25	.591	15.0	243	361	601407	7	.469	11.9	192	286
18 AWG (19/30) 1.00 mm <sup>2</sup>						601409	9	.614	15.6	318	473
601802	2	.244	6.2	42	63	601412	12	.661	16.8	402	598
601803	3	.260	6.6	44	66	601418	18	.768	19.5	575	855
601804	4	.283	7.2	54	81	601425	25	.945	24.0	860	1280
601805	5	.303	7.7	64	95	10 AWG (84/28) 6.00 mm <sup>2</sup>					
601807	7	.335	8.5	84	125	601203	3	.441	11.2	156	232
601809	9	.441	11.2	118	176	601204	4	.496	12.6	198	295
601812	12	.457	11.6	142	211	601205	5	.547	13.9	238	354
601818	18	.539	13.7	207	309	8 AWG (72/26) 10.00 mm <sup>2</sup>					
601825	25	.638	16.2	277	413	601003	3	.512	13.0	222	330
601834	34	.752	19.1	494	735	601004	4	.555	14.1	267	398
601841	41	.811	20.6	558	830	601005	5	.626	15.9	321	479
601850	50	.906	23.0	697	1038	6 AWG (115/26) 16.00 mm <sup>2</sup>					
16 AWG (30/30) 1.50 mm <sup>2</sup>						600804	4	.693	17.6	435	648
601602	2	.272	6.9	57	85	600805	5	.780	19.8	525	782
601603	3	.287	7.3	61	91	4 AWG (180/26) 25.00 mm <sup>2</sup>					
601604	4	.311	7.9	75	112	600604	4	.945	24.0	698	1040
601605	5	.346	8.8	91	136	600605	5	1.039	26.4	842	1254
601607	7	.378	9.6	120	179	2 AWG (270/26) 35.00 mm <sup>2</sup>					
601609	9	.512	13.0	174	260	600404	4	1.098	27.9	1007	1501
601612	12	.520	13.2	210	313	600405	5	1.213	30.8	1244	1853
601618	18	.622	15.8	298	444	4 AWG (180/26) 25.00 mm <sup>2</sup>					
601625	25	.728	18.5	416	620	600204	4	1.280	32.5	1422	2119
						600205	5	1.437	36.5	1749	2606