

# OLFLEX® 490 P/ 490 CP

Flexible Control Cable with Polyurethane Jacket

**LEAD FREE/ROHS**

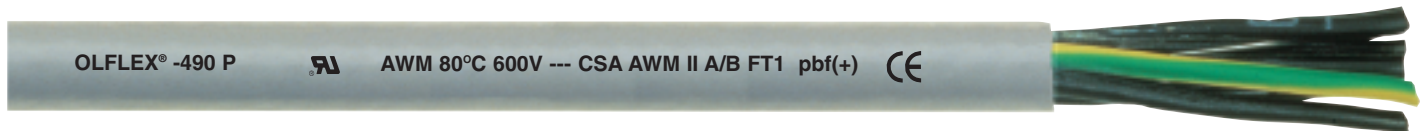


OLFLEX® 490 P is a multi-conductor, flexible control cable with a rugged, abrasion-resistant polyurethane jacket. The polyurethane jacket is UV resistant and is resistant to mineral oils, cutting fluids and mechanical abuse typically found in machining and grinding operations.

OLFLEX® 490 CP has an overall foil tape with drain wire and tinned copper braid that is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

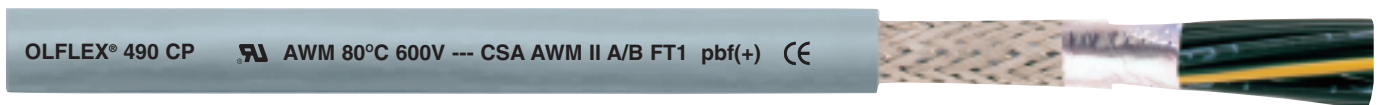
## OLFLEX® 490 P Construction:

Finely stranded tinned copper conductors; specially blended PVC insulation; non-wicking fillers; dry lubricant; overall tape wrap; specially formulated oil resistant gray polyurethane jacket.



## OLFLEX® 490 CP Construction:

Finely stranded tinned copper conductors; specially blended PVC insulation; non-wicking fillers; dry lubricant; drain wire; overall foil tape wrap; tinned copper braid (85% coverage); specially blended oil resistant gray polyurethane jacket.



Cable Attributes							
	OR-05		FR-02		FL-01		MP-05

## Technical Data:

Minimum Bend Radius for installation: shielded:	4 x cable diameter 6 x cable diameter	Conductor Stranding:	Fine wire
Temperature Range: for flexible use: stationary applications:	-10°C to +80°C -20°C to +80°C	Color Code:	Black with white numbers, plus green/yellow ground
Nominal Voltage:	600V	Approvals:	UL-AWM Style 20234 CSA-AWM II A/B FT1
Test Voltage:	3000V	Conforms to CE Low Voltage Directive	

# OLFLEX® 490 P/ 490 CP

Flexible Control Cable with Polyurethane Jacket



## OLFLEX® 490 P: Flexible Control Cable with Polyurethane Jacket

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km		Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km	
<b>20 AWG (10/30) 0.50 mm<sup>2</sup></b>						<b>16 AWG (26/30) 1.50 mm<sup>2</sup></b>					
402002	2	.245	6.2	35	52	401602	2	.291	7.4	53	79
402003	3	.256	6.5	39	58	401603	3	.306	7.8	63	94
402004	4	.274	7.0	47	70	401604	4	.329	8.4	77	115
402005	5	.293	7.4	54	80	401605	5	.355	9.0	91	135
402007	7	.313	8.0	67	100	401607	7	.382	9.7	114	170
402009	9	.355	9.0	81	121	401609	9	.438	11.1	142	211
402012	12	.401	10.2	98	146	401612	12	.496	12.6	179	266
402018	18	.459	11.7	138	205	401618	18	.574	14.6	254	378
402025	25	.534	13.6	176	262	401625	25	.665	17.1	335	499
<b>18 AWG (19/30) 1.00 mm<sup>2</sup></b>						<b>14 AWG (41/30) 2.50 mm<sup>2</sup></b>					
401802	2	.269	6.8	45	67	401641	41	.829	21.1	359	534
401803	3	.281	7.1	52	77	401650	50	.903	22.9	642	955
401804	4	.303	7.7	64	95	401661	61	.958	24.3	765	1138
401805	5	.325	8.3	75	112	401402	2	.317	8.1	66	98
401807	7	.349	8.9	92	137	401403	3	.334	8.5	76	113
401809	9	.399	10.1	115	171	401404	4	.360	9.1	101	150
401812	12	.451	11.5	143	213	401405	5	.390	9.9	120	179
401818	18	.519	13.2	203	302	401407	7	.421	10.7	155	231
401825	25	.607	15.4	265	394	401409	9	.486	12.3	194	289
401834	34	.679	17.2	365	543	401412	12	.546	13.9	237	353
401841	41	.743	18.9	419	624	401418	18	.634	16.1	356	530
401850	50	.791	20.1	488	726	401425	25	.738	18.7	473	704
401861	61	.859	21.8	600	893						

## OLFLEX® 490 CP: Shielded Flexible Control Cable with Polyurethane Jacket

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km		Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Approx. Weight lbs/mft kg/km	
<b>20 AWG (10/30) 0.50 mm<sup>2</sup></b>						<b>16 AWG (26/30) 1.50 mm<sup>2</sup></b>					
402002CP	2	.270	6.9	46	68	401602CP	2	.316	8.0	72	107
402003CP	3	.281	7.1	56	83	401603CP	3	.330	8.4	82	122
402004CP	4	.299	7.6	65	97	401604CP	4	.354	9.0	96	143
402005CP	5	.318	8.1	73	109	401605CP	5	.380	9.7	112	167
402007CP	7	.338	8.6	85	126	401607CP	7	.407	10.3	137	204
402009CP	9	.380	9.7	103	153	401609CP	9	.469	11.9	169	251
402012CP	12	.426	10.8	116	173	401612CP	12	.527	13.4	216	321
402018CP	18	.490	12.4	164	244	401618CP	18	.605	15.4	294	438
402025CP	25	.565	14.4	214	318	401625CP	25	.705	17.9	383	570
<b>18 AWG (19/30) 1.00 mm<sup>2</sup></b>						<b>14 AWG (41/30) 2.50 mm<sup>2</sup></b>					
401802CP	2	.294	7.5	61	91	401641CP	41	.880	22.4	643	957
401803CP	3	.306	7.8	71	106	401650CP	50	.934	23.7	750	1116
401804CP	4	.328	8.3	82	122	401661CP	61	.989	25.1	888	1321
401805CP	5	.350	8.9	94	140	401402CP	2	.345	8.8	84	125
401807CP	7	.374	9.5	116	173	401403CP	3	.362	9.2	102	152
401809CP	9	.424	10.8	140	208	401404CP	4	.388	9.9	124	185
401812CP	12	.482	12.2	177	263	401405CP	5	.418	10.6	145	216
401818CP	18	.550	14.0	240	357	401407CP	7	.455	11.6	182	271
401825CP	25	.638	16.2	311	463	401409CP	9	.520	13.2	226	336
401834CP	34	.710	18.0	427	635	401412CP	12	.580	14.7	287	427
401841CP	41	.774	19.7	501	746	401418CP	18	.668	17.0	391	582
401850CP	50	.842	21.4	600	893	401425CP	25	.772	19.6	557	829
401861CP	61	.890	22.6	699	1040						