

OLFLEX® 490 P/ 490 CP

Flexible Control Cable with Polyurethane Jacket



OLFLEX® 490 P is a flexible control cable with a rugged, highly abrasion resistant polyurethane jacket. It is UV resistant and performs very well in mineral oils, cutting oils and areas with high mechanical abuse. OLFLEX® 490 CP is the shielded version with an overall foil tape with drain wire and tinned copper braid for EMI & RFI protection.

Recommended Applications:

Machine tool equipment, Hand held controls, Submersible applications and any areas where the cable can be cut and damaged by sharp objects.

Application Advantage:

- Rugged PUR jacket to resist cuts, nicks and abrasion
- UL & CSA AWM approved
- Extremely oil and chemical resistant
- Able to be dragged on the floor with minimal damage if any at all
- Number coded for easy wiring

OLFLEX® 490 P Construction:

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



Cable Attributes, See Page 653			Availability:		Complete the installation with:				
	Oil Resistance: OR-05		Flame Resistance: FR-02		Standard put-ups are 100ft, 250ft, 500ft, and 1,000ft. Bulk reels can be cut to length.		SKINTOP® Strain Relief: Page 486		EPIC® Connectors: Page 251
	Motion Type: FL-01		Mechanical Properties: MP-05				OLFLEX® Tubing: Page 546		SKINTOP® MS-SC Page 486

Technical Data:

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

OLFLEX® 490 P/ 490 CP

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OLFLEX® 490 P: Flexible Control Cable with Polyurethane Jacket

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
20 AWG (10/30) 0.50 mm ²							16 AWG (28/30) 1.50 mm ²						
402002	2	.245	6.2	7	35	52	401602	2	.295	7.5	18	53	79
402003	3	.256	6.5	10	39	58	401603	3	.310	7.9	27	63	94
402004	4	.274	7.0	13	47	70	401604	4	.333	8.5	36	77	115
402005	5	.293	7.4	17	54	80	401605	5	.360	9.1	45	91	135
402007	7	.313	8.0	23	67	100	401607	7	.388	9.9	64	114	170
402009	9	.355	9.0	30	81	121	401609	9	.446	11.3	82	142	211
402012	12	.401	10.2	40	98	146	401612	12	.496	12.6	109	179	266
402018	18	.459	11.7	60	138	205	401618	18	.574	14.6	163	254	378
402025	25	.534	13.6	83	176	262	401625	25	.654	16.6	227	335	499
18 AWG (19/30) 1.00 mm ²							401641	41	.834	21.2	372	359	534
401802	2	.269	6.8	13	45	67	401650	50	.910	23.0	454	642	955
401803	3	.281	7.1	19	52	77	401661	61	.966	24.5	553	765	1138
401804	4	.303	7.7	25	64	95	14 AWG (46/30) 2.50 mm ²						
401805	5	.325	8.3	31	75	112	401402	2	.329	8.4	30	66	98
401807	7	.349	8.9	44	92	137	401403	3	.347	8.8	45	76	113
401809	9	.399	10.1	56	115	171	401404	4	.374	9.5	60	101	150
401812	12	.451	11.5	75	143	213	401405	5	.406	10.3	75	120	179
401818	18	.519	13.2	113	203	302	401407	7	.439	11.2	105	155	231
401825	25	.607	15.4	156	265	394	401409	9	.507	12.9	135	194	289
401834	34	.679	17.2	213	365	543	401412	12	.567	14.4	179	237	353
401841	41	.743	18.9	256	419	624	401418	18	.659	16.1	269	356	530
401850	50	.791	20.1	313	488	726	401425	25	.754	19.2	374	473	704
401861	61	.859	21.8	381	600	893							

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

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
20 AWG (10/30) 0.50 mm ²							16 AWG (28/30) 1.50 mm ²						
402002CP	2	.270	6.9	23	46	68	401602CP	2	.320	8.1	36	72	107
402003CP	3	.281	7.1	27	56	83	401603CP	3	.335	8.5	48	82	122
402004CP	4	.299	7.6	32	65	97	401604CP	4	.358	9.1	61	96	143
402005CP	5	.318	8.1	38	73	109	401605CP	5	.385	9.8	70	112	167
402007CP	7	.338	8.6	48	85	126	401607CP	7	.413	10.5	91	137	204
402009CP	9	.380	9.7	62	103	153	401609CP	9	.477	12.9	117	169	251
402012CP	12	.426	10.8	71	116	173	401612CP	12	.527	13.4	156	216	321
402018CP	18	.490	12.4	101	164	244	401618CP	18	.605	15.4	219	294	438
402025CP	25	.565	14.4	137	214	318	401625CP	25	.685	17.4	292	383	570
18 AWG (19/30) 1.00 mm ²							401641CP	41	.885	22.5	452	643	957
401802CP	2	.294	7.5	26	61	91	401650CP	50	.941	23.9	554	750	1116
401803CP	3	.306	7.8	34	71	106	401661CP	61	.997	25.3	673	888	1321
401804CP	4	.328	8.3	46	82	122	14 AWG (46/30) 2.50 mm ²						
401805CP	5	.350	8.9	54	94	140	401402CP	2	.354	9.0	52	84	125
401807CP	7	.374	9.5	68	116	173	401403CP	3	.372	9.4	69	102	152
401809CP	9	.424	10.8	92	140	208	401404CP	4	.399	10.1	86	124	185
401812CP	12	.473	12.0	107	177	263	401405CP	5	.431	10.9	106	145	216
401818CP	18	.540	13.7	162	240	357	401407CP	7	.470	11.9	136	182	271
401825CP	25	.609	15.5	213	311	463	401409CP	9	.538	13.7	171	226	336
401834CP	34	.710	18.0	273	427	635	401412CP	12	.598	15.2	226	287	427
401841CP	41	.774	19.7	326	501	746	401418CP	18	.690	17.5	334	391	582
401850CP	50	.842	21.4	393	600	893	401425CP	25	.785	19.9	474	557	829
401861CP	61	.890	22.6	471	699	1040							