

# OLFLEX® CONTROL TM/ TM CY

Flexible & Oil Resistant Tray and Machine Cable

UL MTW & UL/CSA TC Approval with Exposed Run for Industrial Applications



OLFLEX® CONTROL TM is a multi-conductor cable designed for use on machine tool equipment and other industrial machinery conforming to NFPA 79 2007 wiring norms. OLFLEX® CONTROL TM is also UL/CSA TC approved so it can be routed in tray as well.

**Recommended Applications:**

Machine tool machinery, Food & beverage, Processing equipment, Machine wiring for conformance to NFPA 79 2007

**Application Advantages:**

- Industrial grade PVC jacket (Oil Res 1)
- Conforms to NFPA 79 2007 standards for wiring machinery (UL MTW)
- Gray jacket and number coded for easy connection
- UL TC-ER approval so it can be installed off the machine and into an overhead tray
- Flexible copper stranding and pressure extruded jacket
- Can be used in damp, dry & wet conditions

**OLFLEX® CONTROL TM Construction:**

Finely stranded bare copper conductors; specially blended PVC/nylon insulation; specially formulated PVC jacket.



**OLFLEX® CONTROL TM CY Construction:**

Finely stranded bare copper conductors; specially blended PVC/nylon insulation; overfoil and tinned copper braid (85% coverage); specially formulated PVC jacket.



**Cable Attributes, See Page 653**

Oil Resistance: OR-02	Flame Resistance: FR-03
Motion Type: FL-01	Mechanical Properties: MP-03

**Availability:**

Standard put-ups are 100ft, 250ft, 500ft, and 1,000ft. Bulk reels can be cut to length.

**Complete the installation with:**

SKINTOP® Strain Relief: Page 486	EPIC® Connectors: Page 251
OLFLEX® Tubing: Page 546	SKINDICHT® SDL: Page 533

Available with a foil shield. Minimums may apply.

**Technical Data:**

Minimum bend radius for installation:	6 x cable diameter	Color Code:	Conductors are black printed with white numbers plus green/yellow ground
Temperature Range:	-40°C to +90°C	Approvals:	UL: - UL Type TC-ER (Exposed Run) - AWM, UL Wet Approval 75°C - Type MTW, NFPA 79 2007 - Class 1, Div. 2 per NEC Art. 336, 392, 501 - UL Bus Drop - 14 AWG & Larger 3c & 4c only**
Nominal voltage:	600V - TC 1000V- TC Wind Turbine (WTTC)	CSA:	- c(UL) CIC/TC FT4 - AWM I/II A/B FT4
Test voltage:	2000V		

# OLFLEX® CONTROL TM/ TM CY

Flexible & Oil Resistant Tray and Machine Cable

UL MTW & UL/CSA TC Approval with Exposed Run for Industrial Applications



## OLFLEX® CONTROL TM: Flexible and Oil Resistant Tray & Machine Cable

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
18 AWG (19/30) 1.00 mm <sup>2</sup>							12 AWG (56/.0117) 4 mm <sup>2</sup>						
281803	3	.291	7.4	19	55	82	281407	7	.457	11.6	105	164	244
281804	4	.315	8.0	25	64	95	281409	9	.563	14.3	135	218	324
281805	5	.340	8.6	31	75	112	281410	10	.609	15.5	149	242	360
281807	7	.367	9.3	44	97	144	281412	12	.628	16.0	179	298	443
281809	9	.423	10.7	56	109	162	281415	15	.693	17.1	224	373	555
281810	10	.457	11.6	63	115	171	281419	19	.729	18.5	284	450	670
281812	12	.471	12.0	75	166	247	281425	25	.872	22.1	374	569	847
281815	15	.520	13.2	94	207	308	10 AWG (82/.0117) 6 mm <sup>2</sup>						
281819	19	.579	14.7	119	263	391	281203**	3	.417	10.6	75	111	165
281825	25	.656	16.7	156	312	464	281204**	4	.454	11.5	100	148	220
16 AWG (28/30) 1.50 mm <sup>2</sup>							281205	5	.497	12.6	125	181	269
281603	3	.319	8.1	27	67	100	281206	6	.573	14.6	151	250	372
281604	4	.345	8.8	36	80	119	281207	7	.573	14.6	176	324	482
281605	5	.375	9.5	45	95	141	281209	9	.665	16.9	226	360	536
281606	6	.406	10.3	54	123	183	281212	12	.745	18.9	301	432	643
281607	7	.406	10.3	64	123	183	281215	15	.825	21.0	376	540	804
281609	9	.470	11.9	82	166	247	281219	19	.909	23.1	477	684	1018
281610	10	.509	12.9	91	184	273	281220	20	.955	24.3	502	720	1071
281612	12	.551	14.1	109	213	317	281225	25	1.036	26.3	627	900	1339
281615	15	.621	15.8	145	246	366	10 AWG (82/.0117) 6 mm <sup>2</sup>						
281618	18	.644	16.4	174	289	431	281003**	3	.492	11.0	110	193	287
281619	19	.644	16.4	172	286	426	281004**	4	.570	14.5	147	257	382
281620	20	.676	17.2	181	301	448	281005	5	.623	15.8	184	307	457
281625	25	.733	18.6	227	312	464	281007	7	.678	17.2	257	430	640
14 AWG (46/30) 2.50 mm <sup>2</sup>							281009	9	.791	20.1	331	549	817
281403**	3	.356	8.9	45	84	125	281012	12	.930	23.6	441	737	1097
281404**	4	.386	9.8	60	104	155	281019	19	1.084	27.5	698	1178	1753
281405	5	.421	10.7	75	124	185							

\*\* Meets UL Bus Drop Approval

## OLFLEX® CONTROL TM CY: Shielded Flexible and Oil Resistant Tray & Machine Cable

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
18 AWG (19/30) 1.00 mm <sup>2</sup>							12 AWG (56/.0117) 4 mm <sup>2</sup>						
281803CY	3	.316	8.0	34	80	119	281409CY	9	.594	14.3	171	294	438
281804CY	4	.339	8.6	46	92	137	281410CY	10	.640	16.3	187	321	477
281805CY	5	.365	9.3	54	100	149	281412CY	12	.659	16.7	226	400	595
281807CY	7	.392	10.0	68	130	193	281415CY	15	.724	18.4	281	440	655
281809CY	9	.454	11.5	92	167	249	281419CY	19	.760	19.3	359	527	784
281810CY	10	.457	11.6	99	191	284	281425CY	25	.903	22.9	474	704	1048
281812CY	12	.502	12.8	107	222	330	10 AWG (82/.0117) 6 mm <sup>2</sup>						
281815CY	15	.583	14.8	138	258	384	281203CY**	3	.448	11.4	115	160	238
281819CY	19	.610	15.5	174	294	438	281204CY**	4	.485	12.3	146	212	315
281825CY	25	.687	17.5	213	386	574	281205CY	5	.560	14.2	172	261	388
16 AWG (28/30) 1.50 mm <sup>2</sup>							281206CY	6	.573	14.6	199	289	430
281603CY	3	.344	8.7	48	97	144	281207CY	7	.604	15.3	225	453	674
281604CY	4	.370	9.4	61	116	173	281209CY	9	.696	17.7	301	504	750
281605CY	5	.400	10.2	70	127	189	281212CY	12	.776	19.7	401	604	899
281606CY	6	.406	10.3	81	142	212	281215CY	15	.825	21.0	501	610	908
281607CY	7	.437	11.1	91	165	246	281219CY	19	.909	23.1	602	759	1130
281609CY	9	.501	12.7	117	211	314	281220CY	20	.986	25.0	627	1008	1500
281610CY	10	.512	12.9	131	234	348	281225CY	25	1.067	27.1	752	1260	1875
281612CY	12	.588	14.9	156	286	426	10 AWG (82/.0117) 6 mm <sup>2</sup>						
281615CY	15	.644	16.4	186	300	447	281003CY**	3	.555	14.1	155	270	402
281619CY	19	.675	17.1	230	340	506	281004CY**	4	.601	15.3	196	371	552
281620CY	20	.676	17.2	241	354	527	281005CY	5	.654	16.6	238	412	613
281625CY	25	.764	19.4	292	476	708	281007CY	7	.709	18.0	316	575	856
14 AWG (46/30) 2.50 mm <sup>2</sup>							281009CY	9	.822	20.9	396	768	1143
281403CY**	3	.381	9.7	69	121	180	281012CY	12	.961	24.4	531	1031	1534
281404CY**	4	.411	10.4	86	150	223	281019CY	19	1.084	27.5	878	1319	1963
281405CY	5	.452	11.5	106	180	268							
281407CY	7	.488	12.4	136	220	327							