

OLFLEX® CONTROL M

Flexible & Oil Resistant MTW Cable according to NFPA 79



OLFLEX® CONTROL M is an elastomeric polymer jacketed, multi-conductor cable designed for use on machine tool equipment and other industrial machinery conforming to NFPA 79 2007 wiring norms. OLFLEX® CONTROL M is cut and abrasion resistant.

Recommended Applications:

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

Application Advantage:

- Industrial grade polymer jacket
- Conforms to NFPA 79 2007 standards for wiring machinery
- UL TC-ER, MTW & CSA CIC/TC approved, UV Resistant
- Extremely oil and chemical resistant (Oil Res I/ II)
- Colored cores for AC, DC and control circuits

OLFLEX® CONTROL M Construction:

Finely stranded bare copper conductors; specially blended PVC/ nylon insulation; formulated oil and elastomeric polymer gray jacket.



Cable Attributes, See Page 653 Oil Resistance: OR-03 Flame Resistance: FR-03 Motion Type: FL-02 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 SKINTOP® MS-SC: Page 486
---	--	---	--

Technical Data:

- ☑ Minimum Bending Radius for installation: 5 x cable diameter
- ☑ Temperature Range:
 - flexible: -10°C to +90°C
 - stationary: -40°C to +105°C
- ⚡ Nominal Voltage: 600V - TC; 1000V- TC Wind Turbine WTTCC
- ☑ Conductor Stranding: Fine wire, Class K and Class 5
- ☑ Color Code: Black, Red, Blue, Orange or Yellow conductors with printed numbers plus green/yellow ground. Other colors available upon request.
- ☑ Approvals:
 - UL: - Type MTW 90°C Oil Res. I/II or AWM 105°C
 - NFPA 79 2007 compliant
 - Wet Approval 75°C
 - Type TC-ER
 - CSA: - c(UL) CIC/TC FT4
 - AWM I/II A/B

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 ²							431407* 7 .463 11.8 105 169 252						
431803*	3	.297	7.6	19	57	85	431409*	9	.571	14.5	135	225	335
431804*	4	.320	8.1	25	66	98	431412*	12	.636	16.2	179	308	459
431805*	5	.346	8.8	31	77	115	431418*	18	.737	18.7	269	439	654
431807*	7	.373	9.5	44	100	149	431425*	25	.886	22.5	374	587	874
431812*	12	.477	12.1	75	112	255	12 AWG (56/.0117) 4 mm ²						
431818*	18	.587	14.9	113	245	365	431204*	4	.460	11.7	100	152	226
431825*	25	.664	16.9	156	322	479	431205*	5	.503	12.8	125	187	279
16 AWG (28/30) 1.5 mm ²							431207*	7	.581	14.8	176	258	384
431603*	3	.325	8.3	27	69	103	10 AWG (82/.0117) 6 mm ²						
431604*	4	.351	8.9	36	83	124	431004*	4	.578	14.7	147	265	394
431605*	5	.381	9.7	45	98	146	431005*	5	.631	16.0	184	317	472
431607*	7	.412	10.5	64	127	189	431007*	7	.686	17.4	257	443	661
431609*	9	.476	12.1	82	171	255	8 AWG (74/.0159) 10 mm ²						
431612*	12	.565	14.4	109	220	328	430804*	4	.703	17.9	245	412	615
431618*	18	.652	16.6	163	289	431	6 AWG (119/.0159) 16 mm ²						
431619*	19	.652	16.6	172	289	431	430604*	4	.899	22.8	393	580	864
431625*	25	.741	18.8	227	397	592	430605*	5	.982	24.9	491	725	1080
431633*	33	.827	21.0	299	471	702	4 AWG (413/30) 25 mm ²						
14 AWG (46/30) 2.5 mm ²							430404*	4	1.094	27.8	541	952	1418
431403*	3	.362	8.8	45	87	130	2 AWG (665/30) 35 mm ²						
431404*	4	.392	10.0	60	107	159	430204*	4	1.272	32.3	853	1394	2077
431405*	5	.427	10.8	75	128	191							

Standard Conductors are Black. Replace * with B for (Blue), R for (Red), Y for (Yellow), or O for (Orange). Ex. 431803B has blue conductors.