

OLFLEX® FD AUTO-X

Heavy Duty, Continuous Flex Control Cable

UL Type MTW Approved Cable



OLFLEX® FD AUTO-X is a flexible, oil and UV resistant, multi-conductor cable designed for continuous flex industrial applications. It has worldwide approvals including UL Type TC-ER, CSA AWM and CE.

Recommended Applications:

Cable tracks, Gantry robots, Pick and place units, Conveyor systems, Machine tools, Automated handling equipment and other continuous flexing applications.

Application Advantage:

- Extremely oil resistant (Oil Res I & II)
- Meets NFPA 79 2007 machinery wiring standard
- Available in blue and red conductors and number coded*
- Round jacket for optimal seal with a SKINTOP® Strain Relief

OLFLEX® FD AUTO-X Construction:

Finely stranded bare copper conductors; specially formulated PVC/nylon insulation; dry lubricant; specially formulated oil and chemical resistant black elastomeric alloy jacket.

OLFLEX® FD AUTO-X (UL) TC-ER OR MTW 90°C 600V --- CSA AWM FT4 RoHS

Cable Attributes, See Page 653

Oil Resistance: OR-03

Motion Type: CF-01

Flame Resistance: FR-03

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

OLFLEX® Tubing: Page 546

EPIC® Connectors: Page 251

SKINTOP® MS-SC Page 486

*Optional colors for conductors include: yellow, orange and black which are available upon request. Minimums may apply. Jacket is dual printed with AWG/mm² equivalent.

Technical Data:

- Minimum Bending Radius for continuous flexing: 10 x cable diameter
- Temperature Range:
 - static: -25°C to +90°C
 - flexing: -5°C to +90°C
- Nominal Voltage: 600V, 1000V- TC Wind Turbine (WTTTC)
- Conductor Stranding: Class M
- Color Code: Red (R) or Blue (B) with black numbers, plus green/yellow ground
 - For blue: No. 2 cond. is white with blue stripe
 - For red: No. 2 cond. is white
 - 3 cond: 2 base color plus green/yellow ground
- Approvals:
 - UL: - Type TC-ER (Exposed Run)
 - Type MTW
 - NFPA 79 2007 compliant
 - Oil Res. I/III
 - UL 75° Wet, 90° Dry
 - Class 1 Div. 2 per NEC Art.336, 392, 501
 - CSA: - AWM I/II A/B FT4

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 (41/34) 0.83 mm² (BLUE)							16 AWG (65/34) 1.31 mm² (BLUE)						
251803XB	3	.309	7.8	19	67	100	251603XB	3	.335	8.5	27	70	104
251805XB	5	.358	9.1	31	81	121	251607XB	7	.464	11.8	64	125	186
251807XB	7	.425	10.7	44	105	156	251611XB	11	.564	14.3	100	202	301
251811XB	11	.484	12.2	69	175	260	251612XB	12	.569	14.5	109	220	325
251812XB	12	.489	12.4	75	180	268	251619XB	19	.698	17.7	172	285	424
251825XB	25	.720	18.2	156	339	504	251625XB	25	.798	20.3	227	397	590
251833XB	33	.748	19.0	206	397	560	251633XB	33	.877	22.3	299	510	758
251842XB	42	.908	23.0	263	510	758	251642XB	42	.977	24.8	381	625	936
251849XB	49	.942	23.9	306	620	917	251649XB	49	1.043	26.5	445	760	1132
251865XB	65	1.075	27.3	407	726	1024	251665XB	65	1.191	30.3	590	890	1326

Replace the B at the end of the P/N with R for red conductors, Y for yellow conductors, O for orange conductors or BK for black conductors