

OLFLEX® AUTO-I

Heavy Duty, Flexible Control Cable with Colored Conductors for DC, AC or Control Wiring



OLFLEX® AUTO-I is a UV resistant, multi-conductor cable designed for use on Machine Tool Equipment and other industrial machinery conforming to NFPA 79 2007 wiring norms. OLFLEX® AUTO-I is color coded with either blue, red, yellow, orange or black conductors for DC, AC or control wiring.

Recommended Applications:

Machine Tool machinery, Food & Beverage, Processing equipment, Automotive and Machine wiring for conformance to NFPA 79 2007

Application Advantage:

- Industrial grade PVC jacket (Oil Res I)
- Conforms to NFPA 79 2007 standards for wiring machinery
- UL TC-ER, MTW & CSA CIC/TC approved
- Number coded for easy wiring with either black, blue, red, orange or yellow conductors

OLFLEX® AUTO-I Construction:

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

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



Cable Attributes, See Page 653



Oil Resistance:
OR-02



Flame
Resistance:
FR-03



Motion Type:
FL-01



Mechanical
Properties:
MP-03

Jacket is dual printed with AWG/mm² equivalent.
Minimums may apply.

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



OLFLEX®
VFD Slim:
Page 130

Additional color code for the conductors and jacket available upon request.

Technical Data:

- ☒ Minimum Bend Radius for installation: 5 x cable diameter
- ☒ Approvals: UL: - Type TC-ER (Exposed Run)
- Type MTW, NFPA 79 2007
- Oil Res. I, UL Wet Rating 75°C
- Class 1 Div. 2 per NEC Art. 336, 392, 501
CSA: - c(UL) CIC/TC FT4
- AWM I/II A/B FT4
- ☒ Temperature Range: -25°C to +90°C
- ☒ Nominal Voltage: 600V
1000V - TC Wind Turbine (WTTC)
- ☒ Color Code: Red (R), Blue (B), Black (BK), or Yellow (Y) or Orange (O) with black numbers, plus green/yellow ground (Black cond. has white numbers)
>7c
- For blue: No. 2 cond. is white with blue stripe
- For red: No. 2 cond. is white, plus grn/yell gnd
- For yellow: No. 2 cond. is white, plus grn/yell gnd
- For orange: No. 2 cond. is white, plus grn/yell gnd

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 (BLUE)							16 AWG (26/30) 1.32 mm ² (BLUE)						
251803IB	3	.297	7.5	19	57	85	251603IB	3	.323	8.2	27	65	97
251805IB	5	.346	8.7	31	77	115	251607IB	7	.409	10.4	64	125	186
251807IB	7	.373	9.4	44	100	149	251611IB	11	.541	13.7	100	202	301
251811IB	11	.463	11.8	69	157	234	251612IB	12	.557	14.1	109	220	325
251812IB	12	.477	12.1	75	171	255	251617IB	17	.638	16.1	154	259	379
251819IB	19	.583	14.8	119	254	378	251619IB	19	.643	16.3	172	285	424
251825IB	25	.677	17.2	156	322	479	251625IB	25	.737	18.7	227	397	590
251833IB	33	.736	18.7	206	397	590	251633IB	33	.816	20.7	299	510	758
251842IB	42	.818	20.7	263	510	758	251642IB	42	.950	24.1	381	625	936
251849IB	49	.908	23.0	306	620	917	251649IB	49	1.005	25.5	445	760	1132
251865IB	65	1.011	25.6	407	726	1024	251665IB	65	1.123	28.5	590	890	1326

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