

# OLFLEX® FD ROBUST/ ROBUST C



Continuous Flex, Highly Chemical and Temperature Resistant Cable

OLFLEX® FD ROBUST is a highly flexible, halogen-free, multi-conductor control cable for continuous flex applications. It is designed for higher operating temperatures with excellent resistance to water, biological oils, softeners, cooling and cleaning agents.

**Recommended Applications:**

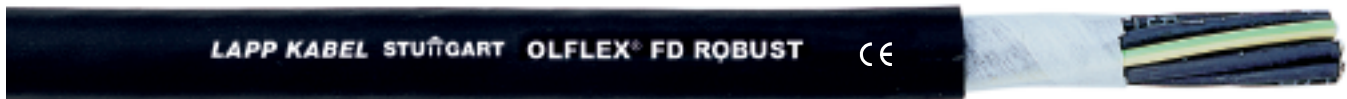
Industrial processes operating in high temperatures, especially machine tool manufacturing and conveying equipment such as kilns. Also suitable where chemical resistance permits use in food processing industry, Medical equipment, Car wash systems or Milling machines operating with natural oils.

**Application Advantage:**

- The outstanding resistance properties of the insulation and jacket to chemicals and heat make a considerably longer life cable than traditional thermoplastic PVC and PUR cables, preventing expensive unplanned down time.
- Suitable for outdoor use down to -40°C; is weather proof and UV resistant

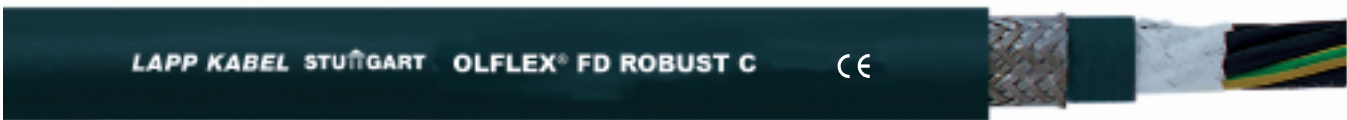
**OLFLEX® FD ROBUST Construction:**

Extra fine strands of tinned copper, TPE insulation, fleece wrap, black halogen-free TPE jacket.



**OLFLEX® FD ROBUST C Construction:**

Extra fine strands of tinned copper, TPE insulation, fleece wrap, TPE inner jacket, tinned copper braid, black halogen free TPE outer jacket.



**Cable Attributes, See Page 653**

	Oil Resistance: OR-2		Flame Resistance: FR-02
	Motion Type: CF-01		Mechanical Properties: MP-04

**Availability:**

Standard put-ups are 164ft, 328ft, 1640ft, and 3280ft. 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 flexing: - ambient temp. <70°C - ambient temp. max 105°C	7.5 x cable diameter 10 x cable diameter		Test Voltage:	3000V
	- for stationary:	4 x cable diameter		Conductor Stranding:	Extra Fine Wire per VDE 0295, Class 6, IEC 60228 Cl.6
	Temperature Range: - for flexing: - for static: - peak:	-40°C to +105°C -50°C to +110°C up to +120°C		Approvals:	Based on VDE specifications
	Nominal Voltage:	300/500V		Color Code:	Black with white numbers plus a green/yellow ground

# OLFLEX® FD ROBUST/ ROBUST C



Continuous Flex, Highly Chemical and Temperature Resistant Cable

## OLFLEX® FD ROBUST

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mt	Approx. Weight lbs/mt	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mt	Approx. Weight lbs/mt	kg/km
<b>18 AWG (1.00 mm<sup>2</sup>)</b>							<b>14 AWG (2.50 mm<sup>2</sup>)</b>						
0026508	2	.272	6.9	19	31	46	0026531	4	.484	12.3	65	122	181
0026509	3	.295	7.5	19	42	63	0026532	5	.539	13.7	81	153	228
0026510	4	.335	8.5	26	55	82	0026533	7	.646	16.4	113	221	329
0026511	5	.374	9.5	32	71	105	0026534	12	.756	19.2	194	330	491
0026516	7	.476	12.1	45	105	157	<b>12 AWG (4 mm<sup>2</sup>)</b>						
0026517	12	.547	13.9	77	152	226	0026541	4	.555	14.1	103	175	261
0026518	18	.677	17.2	116	232	345	0026542	5	.622	15.8	129	221	329
0026519	25	.839	21.3	161	349	519	<b>10 AWG (6 mm<sup>2</sup>)</b>						
<b>16 AWG (1.50 mm<sup>2</sup>)</b>							<b>8 AWG (10 mm<sup>2</sup>)</b>						
0026521	3	.358	9.1	29	60	90	0026551	4	.614	15.6	155	239	356
0026522	4	.406	10.3	39	79	118	0026552	5	.661	16.8	194	301	448
0026523	5	.453	11.5	48	100	149	0026561	4	.787	20.0	258	400	596
0026524	7	.555	14.1	68	157	233	0026562	5	.854	21.7	323	498	741
0026525	12	.642	16.3	116	216	322	<b>6 AWG (16 mm<sup>2</sup>)</b>						
0026526	18	.787	20.0	174	332	494	0026571	4	.957	24.3	413	611	910
0026527	25	.969	24.6	242	467	695	0026573	5	1.043	26.5	516	769	1145

## OLFLEX® FD ROBUST C

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mt	Approx. Weight lbs/mt	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mt	Approx. Weight lbs/mt	kg/km
<b>18 AWG (1.00 mm<sup>2</sup>)</b>							<b>14 AWG (2.50 mm<sup>2</sup>)</b>						
0026708	2	.366	9.3	32	71	105	0026731	4	.594	15.1	109	206	307
0026709	3	.382	9.7	41	84	125	0026732	5	.646	16.4	127	243	361
0026710	4	.429	10.9	50	105	157	0026733	7	.772	19.6	170	344	512
0026711	5	.476	12.1	58	128	190	0026734	12	.894	22.7	273	490	730
0026716	7	.579	14.7	89	187	278	<b>12 AWG (4 mm<sup>2</sup>)</b>						
0026717	12	.661	16.8	127	249	370	0026741	4	.677	17.2	153	277	412
0026718	18	.803	20.4	186	369	549	0026742	5	.740	18.8	185	336	500
0026719	25	.972	24.7	248	527	784	<b>10 AWG (6 mm<sup>2</sup>)</b>						
<b>16 AWG (1.50 mm<sup>2</sup>)</b>							<b>8 AWG (10 mm<sup>2</sup>)</b>						
0026721	3	.449	11.4	54	110	163	0026751	4	.732	18.6	206	349	519
0026722	4	.512	13.0	67	141	210	<b>6 AWG (16 mm<sup>2</sup>)</b>						
0026723	5	.563	14.3	87	177	264	0026761	4	.925	23.5	345	573	853
0026724	7	.669	17.0	118	249	370	0026771	4	1.122	28.5	544	855	1273
0026725	12	.760	19.3	173	335	498							
0026726	18	.917	23.3	255	503	749							
0026727	25	1.118	28.4	373	700	1042							