

# ÖLFLEX® 150/150 CY

Oil-Resistant Flexible Control Cable with International Approvals; Unshielded & Shielded



ÖLFLEX® 150 is an internationally approved, 600V multi-conductor cable. It has UL & CSA AWM and <HAR> approvals for use as an interconnect cable for machinery. ÖLFLEX® 150 is extremely flexible for easier installation and has outstanding oil, coolant, and chemical resistance. ÖLFLEX® 150 CY is a shielded version with an inner PVC jacket and tinned copper braid shield.

## Unshielded Construction

**Conductors:** Finely stranded bare copper

**Insulation:** PVC

**Jacket:** Specially formulated PVC; gray

## Shielded Construction

**Conductors:** Finely stranded bare copper

**Insulation:** PVC

**Shielding:** PVC inner jacket; tinned copper braid (85% coverage)

**Jacket:** Specially formulated PVC; gray

## Recommended Applications

Control and power on industrial machinery; food & beverage; processing & pharmaceutical equipment; machinery for export to Europe

## Approvals



## Application Advantage

- Industrial grade PVC jacket (Oil Res I & II)
- International approvals: UL, CSA, <HAR>
- Very flexible pressure-extruded jacket for easy installation
- Number-coded conductors for easy identification & wiring

Cable Attributes		page 640	
OIL	OR-04	FLAME	FR-02
MOTION	FL-01	MECH.	MP-02

Complete the Installation	
SKINTOP® Strain Relief	page 488
EPIC® Connectors	page 280

## Technical Data

<p> <b>Minimum Bend Radius:</b>                  - for installation: 4 x cable diameter                  - shielded: 6 x cable diameter</p> <p> <b>Temperature Range:</b>                  - for stationary use:                  - UL/CSA: -40°C to +90°C                  - &lt;HAR&gt;: -40°C to +70°C                  - for flexible use:                  - UL/CSA: -5°C to +90°C                  - &lt;HAR&gt;: -5°C to +70°C</p> <p> <b>Nominal Voltage:</b>                  - UL/CSA: 600V                  - &lt;HAR&gt;: 300/500V</p>	<p> <b>Test Voltage:</b> 3000V</p> <p> <b>Conductor Stranding:</b> Class 5 fine wire</p> <p> <b>Color Code:</b> Black with white numbers, plus green/yellow ground</p> <p> <b>Approvals:</b>                  UL: AWM 2587 &amp; 21098 (Oil)                  Attributes: UL Oil Res I/II                  NFPA 79                  Canada: CSA AWM I/II A/B FT1                  Additional: &lt;HAR&gt; H05VV5-F (non-shielded)                  &lt;HAR&gt; H05VVC4V5-K (shielded)                  CE &amp; RoHS</p>
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If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question. For current information go to our website.

ÖLFLEX® 150

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread
<b>20 AWG (0.50 mm<sup>2</sup>)</b>							<b>16 AWG (1.50 mm<sup>2</sup>)</b>						
0015003	3	0.244	6.2	10	42	S 1107	0015303	3	0.319	8.1	29	74	S 1111
0015004	4	0.268	6.8	13	46	S 1109	0015304	4	0.350	8.9	39	97	S 1111
0015005	5	0.291	7.4	17	59	S 1111	0015305	5	0.394	10.0	49	113	S 1113
0015007	7	0.354	9.0	23	80	S 1111	0015307	7	0.484	12.3	68	151	S 1116
0015012	12	0.437	11.1	39	133	S 1113	0015312	12	0.594	15.1	117	243	S 1121
0015018	18	0.559	14.2	58	220	S 1121	0015318	18	0.701	17.8	175	348	S 1129
0015025	25	0.630	16.0	81	256	S 1121	0015325	25	0.846	21.5	242	491	S 1129
<b>19 AWG (0.75 mm<sup>2</sup>)</b>							<b>14 AWG (2.50 mm<sup>2</sup>)</b>						
0015103	3	0.264	6.7	15	51	S 1109	0015403	3	0.390	9.9	49	114	S 1113
0015104	4	0.283	7.2	20	56	S 1111	0015404	4	0.421	10.7	65	141	S 1113
0015105	5	0.319	8.1	25	76	S 1111	0015405	5	0.476	12.1	81	173	S 1116
0015107	7	0.390	9.9	34	97	S 1113	0015407	7	0.571	14.5	113	229	S 1121
0015112	12	0.472	12.0	58	165	S 1116	0015412	12	0.697	17.7	194	390	S 1129
0015118	18	0.567	14.4	87	22	S 1121	0015418	18	0.843	21.4	291	571	S 1129
0015125	25	0.673	17.1	121	313	S 1121	0015425	25	1.016	25.8	404	784	S 1136
<b>18 AWG (1.00 mm<sup>2</sup>)</b>													
0015203	3	0.276	7.0	20	53	S 1111							
0015204	4	0.307	7.8	26	67	S 1111							
0015205	5	0.339	8.6	33	89	S 1111							
0015207	7	0.409	10.4	46	114	S 1113							
0015212	12	0.504	12.8	78	192	S 1116							
0015218	18	0.594	15.1	117	272	S 1121							
0015225	25	0.709	18.0	162	383	S 1129							

ÖLFLEX® 150 CY

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (in) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
<b>18 AWG (1.00 mm<sup>2</sup>)</b>							<b>14 AWG (2.50 mm<sup>2</sup>)</b>						
0015703	3	0.374	9.5	52	97	53112230	0015903	3	0.465	11.8	81	164	53112240
0015704	4	0.398	10.1	54	121	53112230	0015904	4	0.516	13.1	115	198	53112240
0015705	5	0.437	11.1	64	136	53112230	0015905	5	0.575	14.6	138	245	53112250
0015707	7	0.516	13.1	80	183	53112240	0015907	7	0.681	17.3	162	322	53112260
<b>16 AWG (1.50 mm<sup>2</sup>)</b>													
0015803	3	0.413	10.5	57	107	53112230							
0015804	4	0.445	11.3	64	142	53112240							
0015805	5	0.496	12.6	82	162	53112240							
0015807	7	0.587	14.9	97	205	53112250							

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section. If not otherwise specified, all values relating to the product are nominal values. For current information go to our website.