

ÖLFLEX® 150/150 CY

Oil-resistant flexible control cable with <HAR> approval

LAPP KABEL STUTTGART ÖLFLEX® 150

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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.

Recommended applications

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

Approvals



Cable attributes		page 648	
OIL	OR-04	FLAME	FR-02
MOTION	FL-01	MECH.	MP-02

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

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

Complete the installation



SKINTOP®
strain relief
page 492



EPIC®
connectors
page 284

Technical data

	Minimum bend radius: - for installation: 4 x cable diameter - shielded: 6 x cable diameter		Test voltage: 3000V
	Temperature range: - for stationary use: - UL/CSA: -40°C to +90°C - <HAR>: -40°C to +70°C - for flexible use: - UL/CSA: -5°C to +90°C - <HAR>: -5°C to +70°C		Conductor stranding: Class 5 fine wire
	Nominal voltage: - UL/CSA: 600V - <HAR>: 300/500V		Color code: black with white numbers, plus green/yellow ground
			Approvals: - UL: AWM 2587 & 21098 (Oil) - Attributes: UL Oil Res I/II NFPA 79 - Canada: CSA AWM I/II A/B FT1 - Additional: <HAR> H05VV5-F (non-shielded) <HAR> H05VVC4V5-K (shielded) CE & RoHS

ÖLFLEX® 150

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight	Approx. weight	SKINTOP® SL
20 AWG (0.5 mm²)						
0015003	3	0.244	6.2	10	42	S1107
0015004	4	0.268	6.8	13	46	S1109
0015005	5	0.291	7.4	17	59	S1111
0015007	7	0.354	9.0	23	80	S1111
0015012	12	0.437	11.1	39	133	S1113
0015018	18	0.520	13.2	58	220	S1116
0015025	25	0.630	16.0	81	256	S1121
19 AWG (0.75 mm²)						
0015103	3	0.264	6.7	15	51	S1109
0015104	4	0.283	7.2	20	56	S1111
0015105	5	0.319	8.1	25	76	S1111
0015107	7	0.390	9.9	34	97	S1113
0015112	12	0.472	12.0	58	165	S1116
0015118	18	0.567	14.4	87	22	S1121
0015125	25	0.673	17.1	121	313	S1121
18 AWG (1 mm²)						
0015203	3	0.276	7.0	20	53	S1111
0015204	4	0.307	7.8	26	67	S1111
0015205	5	0.339	8.6	33	89	S1111
0015207	7	0.409	10.4	46	114	S1113
0015212	12	0.504	12.8	78	192	S1116
0015218	18	0.594	15.1	117	272	S1121
0015225	25	0.709	18.0	162	383	S1129

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight	Approx. weight	SKINTOP® SL
		in	mm	lbs/mft	lbs/mft	PG thread
16 AWG (1.5 mm ²)						
0015303	3	0.327	8.3	29	74	S1111
0015304	4	0.354	9.0	39	97	S1111
0015305	5	0.398	10.1	49	113	S1113
0015307	7	0.492	12.5	68	151	S1116
0015312	12	0.594	15.1	117	243	S1121
0015318	18	0.709	18.0	175	348	S1129
0015325	25	0.843	21.4	242	491	S1129
14 AWG (2.5 mm ²)						
0015403	3	0.390	9.9	49	114	S1113
0015404	4	0.425	10.8	65	141	S1113
0015405	5	0.476	12.1	81	173	S1116
0015407	7	0.579	14.7	113	229	S1121
0015412	12	0.705	17.9	194	390	S1129
0015418	18	0.850	21.6	291	571	S1129
0015425	25	1.008	25.6	404	784	S1136

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
18 AWG (1 mm²)						
0015703	3	0.370	9.4	52	97	53112230
0015704	4	0.394	10.0	54	121	53112230
0015705	5	0.433	11.0	64	136	53112230
0015707	7	0.512	13.0	80	183	53112240
16 AWG (1.5 mm²)						
0015803	3	0.413	10.5	57	107	53112230
0015804	4	0.449	11.4	64	142	53112240
0015805	5	0.500	12.7	82	162	53112240
0015807	7	0.594	15.1	97	205	53112250

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight	Approx. weight	SKINTOP® MS-SC PG thread
14 AWG (2.5 mm²)						
0015903	3	0.469	11.9	81	164	53112240
0015904	4	0.520	13.2	115	198	53112240
0015905	5	0.579	14.7	138	245	53112250
0015907	7	0.689	17.5	162	322	53112260