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Extremely oil-resistant & flexible tray cable with UL & CSA; unshielded & shielded
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### Tray-rated data cable in other catalog sections

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## Quick select chart

Product	Construction		AWG range	Conductor count	
	shielding	jacket		other counts available on request	
<b>Tray-rated cable</b>					
ÖLFLEX® TRAY II	no	spec. form. thermoplastic polymer	18 AWG - 500 KCMIL	2, 3, 4, 5, 7, 8, 9, 12, 16, 18, 25, 41, 50, 61	
ÖLFLEX® TRAY II CY	yes		18 AWG - 2 AWG	2, 3, 4, 5, 7, 12, 18, 25	
ÖLFLEX® TRAY VTC	no	spec. form. PVC	18 - 6 AWG	3, 4, 5, 7, 8, 9, 12, 16, 18, 19, 25	
ÖLFLEX® TRAY VTC S	yes	spec. form. PVC	10-18AWG	2,3,5,7,12,19,25	
ÖLFLEX® AUTO-I	no	spec. form. thermoplastic elastomer (TPE)	18 - 16 AWG	3, 5, 7, 11, 12, 19, 25, 33, 42, 49, 65	
<b>Tray-rated power &amp; control cables in other sections</b>					
ÖLFLEX® 190	no	PVC	20 - 2 AWG	2, 3, 4, 5, 7, 9, 12, 18, 25, 34, 41, 50	
ÖLFLEX® 190 CY	yes				
ÖLFLEX® CONTROL TM	no	spec. form. thermoplastic polymer	18 - 10 AWG	3, 4, 5, 6, 7, 9, 10, 12, 15, 19, 20, 25	
ÖLFLEX® CONTROL TM CY	yes				
ÖLFLEX® POWER MULTI	no	spec. form. thermoplastic polymer	18 - 8 AWG	3, 4, 5, 7, 12, 18, 25	
ÖLFLEX® CHAIN TM	no	spec. form. thermoplastic polymer	18 - 10 AWG	3, 4, 5, 7, 12, 18, 25	
ÖLFLEX® CHAIN TM CY	yes				
ÖLFLEX® FD AUTO-X	no	spec. form. thermoplastic elastomer (TPE)	18 - 16 AWG	3, 5, 7, 11, 12, 19, 25, 33, 42, 49, 55	
ÖLFLEX® VFD 2XL	yes	spec. form. thermoplastic elastomer (TPE)	16 - 2 AWG	4	
ÖLFLEX® VFD 2XL SYMMETRICAL	yes	spec. form. thermoplastic elastomer (TPE)	1 AWG - 500 KCMIL	3 + 3 symmetrical grounds	
ÖLFLEX® VFD 2XL with Signal	yes	spec. form. thermoplastic elastomer (TPE)	16 - 2 AWG	4 + 1 pair	
ÖLFLEX® VFD SLIM	yes	spec. form. thermoplastic polymer	18 - 2 AWG	4	
ÖLFLEX® VFD with Signal	yes	spec. form. thermoplastic polymer	16 - 4 AWG	4 + 1 pair	
ÖLFLEX® FD VFD	yes	spec. form. thermoplastic polymer	14 - 10 AWG	4	
ÖLFLEX® SDP TC	no	spec. form. thermoplastic elastomer (TPE)	14 - 1 AWG	4	
ÖLFLEX® SERVO 7TCE	yes	spec. form. thermoplastic elastomer (TPE)	18 - 10 AWG	4, 4 + 1 pair, 4 + 2 pairs	
<b>Tray-rated data cables in other sections</b>					
UNITRONIC® BUS DeviceNet™, Violet	yes	PVC, halogen-free (FRNC)	18 AWG + 16 AWG	2 pairs	
UNITRONIC® BUS PB TRAY	yes	PVC	22 AWG	1 pair	
UNITRONIC® BUS CAN TRAY	yes	PVC	22 AWG	2 pairs	
UNITRONIC® 300	no	spec. formulated PVC	24 - 16 AWG	2, 3, 4, 6, 8, 10, 15, 20, 25, 30, 40, 50	
UNITRONIC® 300 S	yes				
UNITRONIC® 300 STP	yes				
ETHERLINE® CAT.5; Stationary	yes	PVC	22 AWG	2 pairs	
ETHERLINE® CAT.5; Flexible	yes	PVC	22 AWG	2 pairs	
ETHERLINE® TRAY CAT.5e	yes	spec. formulated PVC	22 AWG	4 pairs	

	Stranding	Temperature range		Wet rating	Cable attributes, see page 648			Page
		low	high		oil resistance	flame resistance	mechanical properties	
	Class 5 / Class K fine wire	-40°C	90°C	75°C	OR-03	FR-03	MP-03	54
	Class B stranded wire	-25°C	90°C	90°C	OR-02	FR-03	MP-03	56
	Class B stranded wire	-25°C	90°C	90°C	OR-02	FR-03	MP-03	56
	Class K fine wire	-25°C	90°C	75°C	OR-02	FR-03	MP-03	58
	Class 5 / Class K fine wire	-40°C	90°C	90°C	OR-04	FR-03	MP-02	28
	Class 5 fine wire	-40°C	90°C	75°C	OR-03	FR-03	MP-03	32
	Class 5 fine wire	-40°C	90°C	75°C	OR-03	FR-03	MP-03	40
	Class 6 super fine wire	-40°C	105°C	75°C	OR-03	FR-03	MP-03	64
	Class M stranding	-25°C	90°C	75°C	OR-04	FR-03	MP-03	78
	Class 5 / Class K fine wire	-40°C	105°C	90°C	OR-03	FR-03	MP-03	98
	Class B stranded wire	-40°C	105°C	90°C	OR-01	FR-03	MP-02	99
	Class 5 / Class K fine wire	-40°C	105°C	90°C	OR-03	FR-03	MP-03	100
	Class 5 fine wire	-25°C	90°C	75°C	OR-03	FR-03	MP-03	101
	Class 5 fine wire	-25°C	105°C	75°C	OR-03	FR-03	MP-03	102
	Class 6 super fine wire	-25°C	105°C	75°C	OR-03	FR-03	MP-02	103
	Class 5 fine wire	-40°C	105°C	75°C	OR-03	FR-03	MP-03	104
	Class 5 fine wire	-40°C	105°C	90°C	OR-03	FR-03	MP-03	109
	stranded wire	-20°C	75°C	–	OR-00	FR-03	MP-01	169
	solid wire	-40°C	80°C	–	OR-02	FR-04	MP-03	175
	Class K fine wire	-40°C	80°C	–	OR-02	FR-04	MP-03	185
	Class 5 fine wire	-40°C	105°C	–	OR-02	FR-03	MP-02	208
	Class 5 fine wire	-40°C	105°C	–	OR-02	FR-03	MP-02	210
	solid wire	-40°C	80°C	–	OR-00	FR-03	MP-01	236
	solid wire	-20°C	60°C	–	OR-00	FR-03	MP-01	237
	solid wire	-40°C	80°C	–	OR-02	FR-05	MP-01	253

# ÖLFLEX® TRAY II/TRAY II CY

Extremely oil-resistant & flexible tray cable with UL & CSA; unshielded & shielded



ÖLFLEX® TRAY II is an industrial grade tray cable with superior oil performance for long cable life. It has a pressure-extruded jacket and fine copper stranding for excellent flexibility, making it much easier to pull through tray. With UL TC-ER approval, no conduit is needed so you can reduce material costs along with saving on labor. ÖLFLEX® TRAY II CY is designed with foil tape and tinned copper braid shield for improved effectiveness.

## Recommended applications

Industrial plant expansions; automotive plants; tray wiring; anywhere VNTC® cables are used

## Approvals



Cable attributes		page 648	
OIL	OR-03	FLAME	FR-03
MOTION	WT-02	MECH.	MP-03

## Unshielded construction

**Conductors:** finely stranded bare copper

**Insulation:** specially formulated PVC/nylon

**Jacket:** specially formulated thermoplastic polymer; black

## Shielded construction

**Conductors:** finely stranded bare copper

**Insulation:** specially formulated PVC/nylon

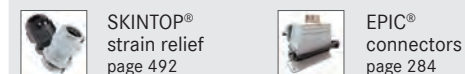
**Shielding:** foil tape; tinned copper braid (70% coverage)

**Jacket:** specially formulated thermoplastic polymer; black

## Application advantage

- Oil-resistant pressure-extruded jacket improves flexibility
- Easier to pull than standard tray cables; lower labor costs
- UL TC-ER reduces material costs; no conduit is needed
- Black numbered conductors for easy identification
- Improved shielding effectiveness

## Complete the installation



## Technical data

<p> <b>Minimum bend radius:</b>                  - for installation:                    - &lt; 1 AWG: 4 x cable diameter                    - ≥ 1 AWG: 6 x cable diameter                  - shielded: 6 x cable diameter</p> <p> <b>Temperature range:</b>                  - UL/CSA TC: -25°C to +90°C                  - for stationary use: -40°C to +105°C                  - for flexible use: -25°C to +105°C</p> <p> <b>Nominal voltage:</b>                  - UL/CSA TC: 600V                  - UL WTTC/CSA AWM: 1000V</p> <p> <b>Test voltage:</b>                  - up to 1 AWG: 2000V                  - 1 AWG &amp; larger: 4000V</p> <p> <b>Conductor stranding:</b>                  - 18-6 AWG: Class 5 fine wire*                  - 4-2 AWG: Class K fine wire                  - 1 AWG - 500 KCMIL: stranded wire                  * 18 AWG meets only Class 5 cross section and DC resistance</p>	<p> <b>Color code:</b> black with white printing, plus green/yellow ground</p> <p> <b>Approvals:</b></p> <p>UL: TC-ER per UL 1277                  MTW per UL 1063                  WTTC per UL 2277                  submersible pump (14 - 2 AWG)                  PLTC-ER per UL 13 (18 - 12 AWG)                  ITC-ER per UL 2250 (18 - 12 AWG)                  DP-1 per UL 1690                  AWM 20886 (18 - 2 AWG)</p> <p>Attributes: UL Oil Res I/II                  75°C wet; 90°C dry                  sunlight resistant                  direct burial                  NFPA 79</p> <p>NEC: Class 1 Division 2 per NEC Article 501</p> <p>Canada: c(UL) CIC/TC FT4 (18 - 4/0 AWG)                  CSA AWM I/II A/B FT4</p> <p>Additional: torsion rated for wind market                  (± 90°/m) &amp; (± 150°/m)                  (18 - 2 AWG)                  CE &amp; RoHS                  MSHA: P-07-KA050016-MSHA                  (shielded only)</p>
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ÖLFLEX® TRAY II

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
<b>18 AWG (1 mm²)</b>						
221803	3	0.297	7.5	20	57	S2111
221804	4	0.320	8.1	26	66	S2111
221805	5	0.346	8.8	33	77	S2111
221807	7	0.373	9.5	46	99	S2111
221809	9	0.429	10.9	59	112	S2113
221812	12	0.477	12.1	79	172	S2116
221818	18	0.587	14.9	118	245	S2121
221825	25	0.664	16.9	164	322	S2121
221850	50	0.939	23.9	303	646	S2129
<b>16 AWG (1.5 mm²)</b>						
221603	3	0.325	8.3	29	68	S2111
221604	4	0.351	8.9	39	84	S2111
221605	5	0.381	9.7	49	99	S2113
221607	7	0.412	10.5	68	128	S2113
221608	8	0.444	11.3	78	137	S2113
221609	9	0.476	12.1	88	172	S2116
221612	12	0.565	14.4	117	220	S2121
221616	16	0.621	15.8	155	271	S2121
221618	18	0.652	16.6	175	289	S2121
221625	25	0.741	18.8	242	397	S2129
221634	34	0.904	23.0	296	540	S2129
221641	41	0.986	25.0	357	626	S2136
221650	50	1.048	26.6	436	760	S2136
221661	61	1.085	27.6	533	771	S2136
<b>14 AWG (2.5 mm²)</b>						
221403	3	0.362	9.2	49	88	S2111
221404	4	0.392	10.0	65	106	S2113
221405	5	0.427	10.8	81	128	S2113
221407	7	0.463	11.8	113	170	S2116
221409	9	0.571	14.5	146	225	S2121
221412	12	0.636	16.2	194	309	S2121
221418	18	0.737	18.7	290	439	S2129
221425	25	0.886	22.5	404	586	S2129
<b>12 AWG (4 mm²)</b>						
221203	3	0.423	10.7	78	126	S2113
221204	4	0.460	11.7	104	152	S2113

\* SKINTOP® MS-M with metric thread

ÖLFLEX® TRAY II CY

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
		in	mm			
<b>18 AWG (1 mm²)</b>						
2218030	3	0.322	8.2	29	79	53112220
2218040	4	0.346	8.8	38	93	53112220
2218050	5	0.371	9.4	45	99	53112230
2218070	7	0.398	10.1	59	130	53112230
2218120	12	0.508	12.9	101	223	53112240
2218180	18	0.618	15.7	145	295	53112250
2218250	25	0.695	17.7	238	386	53112260
<b>16 AWG (1.5 mm²)</b>						
2216030	3	0.350	8.9	41	97	53112220
2216040	4	0.376	9.6	51	117	53112230
2216050	5	0.406	10.3	63	128	53112230
2216070	7	0.443	11.3	88	165	53112240
2216120	12	0.596	15.1	144	287	53112250
2216180	18	0.683	17.3	210	346	53112260
2216250	25	0.772	19.6	280	430	53112260
<b>14 AWG (2.5 mm²)</b>						
2214030	3	0.387	9.8	62	121	53112230
2214040	4	0.423	10.7	85	150	53112230
2214050	5	0.458	11.6	101	181	53112240

\* SKINTOP® MS-SC with metric thread

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
221205	5	0.503	12.8	129	187	S2116
221207	7	0.581	14.8	181	258	S2121
<b>10 AWG (6 mm²)</b>						
221003	3	0.498	12.6	117	218	S2116
221004	4	0.578	14.7	155	264	S2121
221005	5	0.631	16.0	194	317	S2121
221007	7	0.686	17.4	271	445	S2129
<b>8 AWG (10 mm²)</b>						
220804	4	0.703	17.9	258	384	S2129
220805	5	0.772	19.6	323	518	S2129
<b>6 AWG (16 mm²)</b>						
220603	3	0.776	19.7	310	454	S2129
220604	4	0.899	22.8	413	580	S2129
220605	5	0.982	24.9	517	725	S2136
<b>4 AWG (21 mm²)</b>						
220403	3	0.999	25.3	386	919	S2136
220404	4	1.094	27.8	544	952	S2136
<b>2 AWG (33.7 mm²)</b>						
220203	3	1.155	29.3	658	1085	S2136
220204	4	1.272	32.3	859	1320	S2248
<b>1 AWG (42.5 mm²)</b>						
220104	4	1.373	34.9	1033	1780	53112170*
<b>1/0 AWG (53.7 mm²)</b>						
221104	4	1.474	37.4	1337	2035	53112070*
<b>2/0 AWG (67.7 mm²)</b>						
222204	4	1.601	40.7	1602	2475	53112070*
<b>3/0 AWG (85.3 mm²)</b>						
223304	4	1.828	46.4	2000	3015	53112080*
<b>4/0 AWG (107.6 mm²)</b>						
224404	4	1.980	50.3	2503	3835	53112080*
<b>250 KCMIL (127.1 mm²)</b>						
222504	4	2.190	55.6	3105	4405	53112511*
<b>350 KCMIL (177.9 mm²)</b>						
223504	4	2.337	59.4	4602	5995	53112511*
<b>500 KCMIL (254.1 mm²)</b>						
225004	4	2.813	71.5	5649	6216	53112512*

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.

# ÖLFLEX® TRAY VTC / VTC S

Flexible tray cable with TC-ER for easier installation



ÖLFLEX® TRAY VTC is a multi-conductor cable approved for use in cable trays. It is UL TC-ER & CSA CIC, making it perfect for new plant installations and factory expansions. Premium PVC insulation provides greater flexibility over PVC/nylon without sacrificing cable size.

## Recommended applications

Plant expansion; contractor markets; A&E firm plant designs; tray wiring; anywhere VNTC® cables are used

## Approvals



Cable attributes		page 648	
OIL	OR-02	FLAME	FR-03
MOTION	FL-01	MECH.	MP-03

## Unshielded construction

**Conductors:** finely stranded bare copper

**Insulation:** specially formulated PVC

**Jacket:** specially formulated PVC; black

## Shielded construction

**Conductors:** finely stranded bare copper

**Insulation:** specially formulated PVC

**Shielding:** Foil tape (100% coverage); drain wire

**Jacket:** specially formulated PVC; black

## Application advantage

- Easier to pull than standard tray cable
- PVC insulation provides greater flexibility over PVC/nylon
- UL TC-ER approval reduces material costs; no conduit is needed
- Black numbered conductors with printed color code for easy identification
- UV-resistant and direct burial
- UL wet rating 90°C

Complete the installation

	SKINTOP® strain relief page 492		EPIC® connectors page 284
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## Technical data

<p> <b>Minimum bend radius:</b> - for installation: 4 x cable diameter - for shielded: 6 x cable diameter</p> <p> <b>Temperature range:</b> - UL TC/c(UL) CIC: -25°C to +90°C - for stationary use: -40°C to +105°C - for flexible use: -5°C to +90°C</p> <p> <b>Nominal voltage:</b> - UL TC: 600V - UL WTTC: 1000V - UL AWM/cRU AWM: 1000V</p> <p> <b>Test voltage:</b> 2000V</p> <p> <b>Conductor stranding:</b> Class B stranded wire</p> <p> <b>Color code:</b> black with white numbers and color per ICEA-NEMA (K-2): chart 10, page 683, plus green/yellow ground</p>	<p> <b>Approvals:</b></p> <p>UL: TC-ER per UL 1277 WTTC per UL 2277 AWM 20886</p> <p>Attributes: UL Oil Res I 90°C wet; 90°C dry sunlight resistant direct burial NFPA 79</p> <p>NEC: Class 1 Division 2 per NEC Article 501</p> <p>Canada: c(UL) CIC FT4 cRU AWM I/II A/B FT4</p> <p>Additional: CE &amp; RoHS</p>
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ÖLFLEX® TRAY VTC

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
<b>18 AWG (7 strand)</b>						
201803	3	0.286	7.3	16	46	S2111
201804	4	0.307	7.8	21	56	S2111
201805	5	0.332	8.4	26	67	S2111
201807	7	0.358	9.1	37	84	S2111
201809	9	0.411	10.4	48	106	S2113
201812	12	0.458	11.6	63	133	S2116
201818	18	0.562	14.3	95	204	S2121
201819	19	0.562	14.3	101	211	S2121
201825	25	0.636	16.2	132	267	S2121
<b>16 AWG (7 strand)</b>						
201603	3	0.312	7.9	26	59	S2111
201604	4	0.336	8.5	34	73	S2111
201605	5	0.365	9.3	43	87	S2111
201607	7	0.394	10.0	60	112	S2113
201608	8	0.424	10.8	68	127	S2113
201609	9	0.455	11.6	77	142	S2116
201612	12	0.508	12.9	103	180	S2121
201616	16	0.593	15.1	137	249	S2121
201618	18	0.622	15.8	154	275	S2129
201619	19	0.622	15.8	162	284	S2129
201625	25	0.706	17.9	214	363	S2129
<b>14 AWG (19 strand)</b>						
201403	3	0.344	8.7	40	78	S2111
201404	4	0.372	9.4	54	98	S2111

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
201405	5	0.405	10.3	67	118	S2113
201407	7	0.439	11.2	94	154	S2113
201409	9	0.509	12.9	121	197	S2121
201412	12	0.602	15.3	161	269	S2129
201418	18	0.697	17.7	242	381	S2129
201419	19	0.697	17.7	255	396	S2129
201425	25	0.794	20.2	335	508	S2129
<b>12 AWG (19 strand)</b>						
201203	3	0.381	9.7	64	106	S2113
201204	4	0.413	10.5	85	110	S2113
201205	5	0.451	11.5	106	164	S2113
201207	7	0.490	12.4	149	217	S2116
201212	12	0.673	17.1	255	378	S2129
201216	16	0.743	18.9	341	488	S2129
<b>10 AWG (19 strand)</b>						
201003	3	0.433	11.0	102	150	S2116
201004	4	0.471	12.0	136	193	S2116
201005	5	0.516	13.1	170	236	S2121
201007	7	0.594	15.1	238	333	S2129
<b>8 AWG (19 strand)</b>						
200804	4	0.621	15.8	217	343	S2121
200805	5	0.680	17.3	271	392	S2129
<b>6 AWG (19 strand)</b>						
200604	4	0.756	19.2	343	484	S2129
200605	5	0.871	22.1	429	629	S2129

ÖLFLEX® TRAY VTC S

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
<b>18 AWG (7 strand)</b>						
201802S**	2	0.274	7.0	17	49	S2111
201803S	3	0.290	7.4	22	56	S2111
201805S	5	0.335	8.5	33	77	S2111
201807S	7	0.361	9.2	43	94	S2111
201812S	12	0.461	11.7	70	143	S2116
201819S	19	0.565	14.4	107	221	S2121
<b>16 AWG (7 strand)</b>						
201602S**	2	0.298	7.6	24	60	S2111
201603S	3	0.314	8.0	32	71	S2111
201604S	4	0.340	8.6	41	85	S2111
201607S	7	0.397	10.1	66	124	S2113
201625S	25	0.709	18.0	220	374	S2129

2c cable does not include ground  
 \*\* Part numbers are not -ER rated

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	SKINTOP® SL PG thread
		in	mm			
<b>14 AWG (19 strand)</b>						
201402S**	2	0.328	8.3	33	77	S2111
201403S	3	0.346	8.8	47	93	S2111
201404S	4	0.375	9.5	60	112	S2113
201405S	5	0.407	10.3	74	132	S2113
201407S	7	0.441	11.2	100	167	S2113
201409S	9	0.511	13.0	127	212	S2116
201412S	12	0.605	15.4	167	282	S2121
201425S	25	0.797	20.2	342	522	S2129
<b>12 AWG (19 strand)</b>						
201202S**	2	0.364	9.2	51	102	S2111
201203S	3	0.384	9.8	72	126	S2113
201204S	4	0.416	10.6	94	154	S2113
201205S	5	0.455	11.6	111	182	S2113
201207S	7	0.495	12.6	158	235	A2116
201209S	9	0.608	15.4	200	315	S2121
<b>10 AWG (19 strand)</b>						
201004S	4	0.474	12.0	144	216	S2116

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.

# ÖLFLEX® AUTO-I

Heavy duty flexible tray cable with color-coded conductors for DC or AC control wiring



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

## Recommended applications

Machine tool machinery; food & beverage; processing equipment; automotive and machine wiring for conformance to NFPA 79

## Approvals



Cable attributes		page 648	
OIL	OR-02	FLAME	FR-03
MOTION	FL-02	MECH.	MP-03

## Construction

**Conductors:** finely stranded bare copper

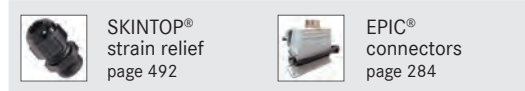
**Insulation:** specially formulated PVC/nylon

**Jacket:** specially formulated thermoplastic elastomer (TPE); gray

## Application advantage

- UL TC-ER & CSA CIC/TC approval
- Number coded for easy wiring with either blue, red, orange, black, or yellow conductors

## Complete the installation



## Technical data

**Minimum bend radius:** 4 x cable diameter

**Temperature range:**  
 - UL/CSA TC: -25°C to +90°C  
 - for stationary use: -40°C to +105°C  
 - for flexible use: -25°C to +105°C

**Nominal voltage:**  
 - UL/CSA TC: 600V  
 - UL WTTC: 1000V

**Test voltage:** 2000V

**Conductor stranding:** Class K fine wire

**Color code:**  
 - up to 3c: color & number-coded, plus green/yellow ground (black & blue have white numbers)  
 - 4c & higher (blue): no. 2 conductor is white/blue  
 - 4c & higher (red): no. 2 conductor is white  
 - 4c & higher (yellow): no. 2 conductor is white/yellow

**Approvals:**  
 UL: TC-ER per UL 1277  
 WTTC per UL 2277  
 Attributes: UL Oil Res I  
 75°C wet; 90°C dry  
 sunlight resistant  
 direct burial  
 NFPA 79  
 NEC: Class 1 Division 2 per NEC Article 501  
 Canada: c(UL) CIC/TC FT4  
 CSA AWM I/II A/B FT4  
 Additional: CE & RoHS

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight	Approx. weight	SKINTOP® SL
		in	mm	lbs/mft	lbs/mft	PG thread
<b>18 AWG (1 mm<sup>2</sup>)</b>						
251803IB	3	0.297	7.5	20	57	S1111
251805IB	5	0.346	8.7	33	77	S1111
251807IB	7	0.373	9.4	46	99	S1111
251811IB	11	0.463	11.8	71	156	S1116
251812IB	12	0.477	12.1	78	172	S1116
251819IB	19	0.583	14.8	123	253	S1121
251825IB	25	0.677	17.2	162	322	S1121
251833IB	33	0.736	18.7	200	397	S1129
251842IB	42	0.818	20.7	254	509	S1129
251849IB	49	0.908	23.0	317	617	S1129
251865IB	65	1.011	25.6	420	688	S1136

Part number	Number of conductors incl. ground	Nominal outer diameter		Copper weight	Approx. weight	SKINTOP® SL
		in	mm	lbs/mft	lbs/mft	PG thread
<b>16 AWG (1.5 mm<sup>2</sup>)</b>						
251603IB	3	0.323	8.2	26	66	S1111
251607IB	7	0.409	10.4	60	126	S1113
251611IB	11	0.541	13.7	94	203	S1121
251612IB	12	0.557	14.1	103	218	S1121
251617IB	17	0.638	16.1	145	256	S1121
251619IB	19	0.643	16.3	162	284	S1121
251625IB	25	0.737	18.7	213	397	S1129
251633IB	33	0.816	20.7	270	489	S1129
251642IB	42	0.950	24.1	343	628	S1129
251649IB	49	1.005	25.5	401	760	S1136
251665IB	65	1.123	28.5	531	1005	S1136

Part numbers shown are for blue conductors. For other colors, replace the 'B' with an 'R' for red, 'Y' for yellow, 'O' for orange, or 'BK' for black conductors

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. Photographs are not to scale and are not true representations of the products in question.