

ÖLFLEX® TC 600/600 S

Flexible Tray Cable with TC-ER for Easier Installations; Unshielded & Shielded



ÖLFLEX® TC 600 is a multi-conductor cable approved for use in cable trays. It is UL TC-ER & CSA CIC approved, making it perfect for new plant installations and factory expansions. ÖLFLEX® TC 600 S has an overall foil tape and drain wire for EMI & RFI protection.

Recommended Applications

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

Approvals



Unshielded Construction

Conductors: Finely stranded bare copper
Insulation: Specially blended PVC/nylon
Jacket: Specially formulated PVC; black

Shielded Construction

Conductors: Finely stranded bare copper
Insulation: Specially blended PVC/nylon
Shielding: Foil tape (100% coverage); drain wire
Jacket: Specially formulated PVC; black

Application Advantage

- Easier to pull than standard tray cable
- UL TC-ER approval to reduce material costs; no conduit is needed
- Black numbered conductors with printed color code for easy identification
- UV-resistant and direct burial
- UL wet rating 75°C

Cable Attributes, see page 659

OR-01	FR-03	FL-01	MP-03
OIL	FLAME	MOTION	MECHANICAL

Similar Cables

- ÖLFLEX® TRAY II/TRAY II CY
- ÖLFLEX® CONTROL TM/CONTROL TM CY

Complete the Installation

	SKINTOP® Strain Relief: page 502		EPIC® Connectors: page 278
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Technical Data

Minimum Bend Radius:	- for installation: 4 x cable diameter - shielded: 6 x cable diameter	Approvals:	UL: TC-ER per UL 1277 MTW per UL 1063 (14 AWG and larger) WTTC per UL 2277 Bus Drop Cable (14 AWG and larger, 3c & 4c) AWM 20886 Attributes: 75°C Wet; 90°C Dry Sunlight Resistant Direct Burial NFPA 79 2015 Bus Drop Approval NEC: Class 1 Division 2 per NEC Article 501 Canada: c(UL) CIC FT4 cRU AWM I/II A/B FT4 Additional: CE & RoHS
Temperature Range:	- UL TC/CSA CIC: -40°C to +90°C - for flexible use: -5°C to +90°C - for stationary use: -40°C to +105°C		
Nominal Voltage:	- UL TC/CSA CIC: 600V - UL WTTC: 1000V		
Test Voltage:	2000V		
Conductor Stranding:	Class B stranded wire		
Color Code:	Black with white numbers and color name per color chart ICEA-NEMA (K-2): Chart 10, page 698, plus green/yellow ground		

VNTC® is a registered trademark of General Cable.
 Photographs are not to scale and are not true representations of the products in question.
 For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.

ÖLFLEX® TC 600

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread
18 AWG (7 strand)							12 AWG (19 strand)						
211802*	2	0.273	6.9	13	42	S2109	211202*	2	0.363	9.2	43	86	S2111
211803	3	0.287	7.3	16	55	S2111	211203**	3	0.384	9.8	64	110	S2113
211804	4	0.310	7.9	22	64	S2111	211204**	4	0.419	10.6	86	148	S2113
211805	5	0.335	8.5	27	75	S2111	211205	5	0.456	11.6	107	181	S2113
211807	7	0.361	9.2	38	97	S2111	211207	7	0.496	12.6	150	324	S2116
211809	9	0.416	10.6	48	108	S2113	211209	9	0.610	15.5	192	359	S2121
211812	12	0.462	11.7	64	165	S2116	211212	12	0.681	17.3	256	432	S2129
211819	19	0.569	14.5	101	262	S2121	211216	16	0.754	19.2	341	1190	S2129
211825	25	0.648	16.5	133	311	S2121	211219	19	0.794	20.2	405	683	S2129
16 AWG (7 strand)							10 AWG (19 strand)						
211602*	2	0.295	7.5	18	51	S2111	211002*	2	0.439	11.2	74	326	S2113
211603	3	0.311	7.9	26	66	S2111	211003**	3	0.466	11.8	103	194	S2116
211604	4	0.337	8.6	35	79	S2111	211004**	4	0.511	13.0	138	256	S2116
211605	5	0.364	9.2	43	95	S2111	211005	5	0.591	15.0	172	306	S2121
211607	7	0.394	10.0	60	123	S2113	211007	7	0.642	16.3	241	430	S2121
211609	9	0.455	11.6	77	165	S2113	8 AWG (19 strand)						
211612	12	0.508	12.9	103	214	S2116	210804**	4	0.650	16.5	233	335	S2121
211615	15	0.594	15.1	128	235	S2121	6 AWG (19 strand)						
211616	16	0.594	15.1	137	246	S2121	210604**	4	0.746	18.9	346	580	S2129
211619	19	0.624	15.8	162	287	S2121	4 AWG (19 strand)						
211625	25	0.718	18.2	213	311	S2129	210404**	4	1.009	25.6	521	924	S2136
211637	37	0.822	20.9	300	514	S2129							
14 AWG (19 strand)													
211402*	2	0.325	8.3	27	64	S2111							
211403**	3	0.343	8.7	41	84	S2111							
211404**	4	0.373	9.5	54	104	S2111							
211405	5	0.405	10.3	68	123	S2113							
211407	7	0.439	11.2	94	163	S2113							
211412	12	0.602	15.3	162	298	S2121							
211419	19	0.699	17.8	255	450	S2129							
211425	25	0.807	20.5	336	569	S2129							

* 2c cable does not include ER and green/yellow ground

** UL Bus Drop Approval

ÖLFLEX® TC 600 S

Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread	Part Number	Number of Conductors (incl. ground)	Nominal Outer Diameter (inches) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® Non-Metallic PG Thread
18 AWG (7 strand)							14 AWG (19 strand)						
211802S*	2	0.276	7.0	17	44	S2111	211402S*	2	0.328	8.3	30	148	S2111
211803S	3	0.290	7.4	22	57	S2111	211403S**	3	0.346	8.8	47	86	S2111
211804S	4	0.313	8.0	27	66	S2111	211404S**	4	0.376	9.6	68	108	S2113
211805S	5	0.338	8.6	32	77	S2111	211405S	5	0.408	10.4	81	128	S2113
211807S	7	0.364	9.2	43	99	S2111	211407S	7	0.442	11.2	108	170	S2113
211809S	9	0.419	10.6	49	112	S2113	211409S	9	0.513	13.0	122	224	S2116
211812S	12	0.465	11.8	69	170	S2116	211412S	12	0.605	15.4	175	306	S2121
211819S	19	0.572	14.5	106	271	S2121	211419S	19	0.702	17.8	262	463	S2129
211825S	25	0.651	16.5	138	322	S2121	211425S	25	0.810	20.6	349	586	S2129
16 AWG (7 strand)							12 AWG (19 strand)						
211602S*	2	0.298	7.6	18	119	S2111	211202S*	2	0.366	9.3	50	196	S2111
211603S	3	0.314	8.0	35	68	S2111	211203S**	3	0.387	9.8	73	115	S2113
211604S	4	0.340	8.6	43	84	S2111	211204S**	4	0.422	10.7	95	152	S2113
211605S	5	0.367	9.3	52	97	S2111	211205S	5	0.459	11.7	106	185	S2113
211607S	7	0.397	10.1	69	126	S2113	211207S	7	0.499	12.7	158	333	S2116
211609S	9	0.458	11.6	83	170	S2113	211209S	9	0.613	15.6	190	370	S2121
211612S	12	0.511	13.0	111	220	S2116	211212S	12	0.684	17.4	264	445	S2129
211619S	19	0.627	15.9	159	295	S2121	211219S	19	0.797	20.2	409	705	S2129
211620S	20	0.658	16.7	161	311	S2121	211225S	25	0.963	24.5	539	926	S2129
211625S	25	0.721	18.3	222	322	S2129	10 AWG (19 strand)						
							211002S*	2	0.422	10.7	74	339	S2113
							211003S**	3	0.469	11.9	100	198	S2116
							211004S**	4	0.514	13.1	145	264	S2116
							211005S	5	0.594	15.1	179	317	S2121
							211007S	7	0.645	16.4	232	443	S2121

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Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available, please see our SKINTOP® Section. Photographs are not to scale and are not true representations of the products in question. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.