

# ÖLFLEX® TC 600 / 600 S

For Exposed Run, no conduit is needed



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

**Recommended Applications:**

Plant expansion, Contractor market, A & E firm plant designs, Tray wiring, Anywhere that VNTC® cables are used

**Application Advantage:**

- Easier to pull than standard tray cables, minimizing labor costs
- 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

**ÖLFLEX® TC 600 Construction:**

Finely stranded bare copper conductors; specially blended PVC/nylon insulation; specially formulated PVC jacket.



**ÖLFLEX® TC 600 S Construction:**

Finely stranded bare copper conductors; specially blended PVC/nylon insulation; 100% shielding with foil tape and drain wire; specially formulated PVC jacket.



**Cable Attributes, See Page 653**

	Oil Resistance: OR-01		Flame Resistance: FR-03
	Motion Type: FL-01		Mechanical Properties: MP-03

**Availability:**

Standard put-ups are 100ft, 250ft, 500ft, and 1,000ft. Bulk reels can be cut to length.

**Complete the installation with:**

	SKINTOP® Strain Relief: Page 486		EPIC® Connectors: Page 251
			ÖLFLEX® Servo TC: Page 75

Additional color code for the conductors and jacket available upon request. Minimums may apply.

**Technical Data:**

- Minimum Bend Radius:
  - for installation: 6 x cable diameter
  - shielded: 8 x cable diameter
- Temperature Range: -40°C to +90°C
- Nominal Voltage: 600V - TC  
1000V - TC Wind Turbine (WTTC)
- Test Voltage: 2000V
- Color Code: Black printed conductors with white numbers and color name per color chart ICEA-NEMA (K-2) plus green/yellow ground

- Approvals:
  - UL: - TC-ER per UL 1277
  - MTW per UL 1063
  - Bus Drop Cable (14 AWG and larger, 3c & 4c only)
- Attributes:
  - 75°C Wet
  - NFPA 79 2012 (14 AWG and larger)
  - UL AWM
- NEC: - Class 1, Division 2 per NEC Article 336, 392, 501
- CSA: - c(UL) CIC/TC FT4
- AWM I/II A/B FT4

Please note that VNTC® is a trademark for General Cable Technologies Corp.

\*\* Meets UL Bus Drop Approval

\*\* Two conductor cable does not include ground wire

# ÖLFLEX® TC 600 / 600 S

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## ÖLFLEX® TC 600: Flexible Tray Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
18 AWG (7 strand) 1.00 mm <sup>2</sup>							211406						
211802	2	.273	6.9	13	42	63	211406	6	.439	11.2	81	164	244
211803	3	.287	7.3	16	55	82	211407	7	.439	11.2	94	164	244
211804	4	.310	7.9	21	64	95	211409	9	.510	13.0	121	218	324
211805	5	.335	8.5	27	75	112	211410	10	.585	14.9	135	242	360
211807	7	.361	9.2	37	97	144	211412	12	.602	15.3	162	298	443
211809	9	.416	10.6	48	109	162	211416	16	.665	16.9	215	373	555
211810	10	.449	11.4	53	115	171	211419	19	.699	17.8	256	450	670
211812	12	.462	11.7	64	166	247	211425	25	.807	20.5	337	569	847
211815	15	.511	13.0	80	207	308	12 AWG (19 strand) 3.30 mm <sup>2</sup>						
211819	19	.569	14.5	101	263	391	211202	2	.363	9.2	50	85	127
211825	25	.648	16.6	133	312	464	211203**	3	.384	9.8	64	111	165
16 AWG (7 strand) 1.32 mm <sup>2</sup>							211204**	4	.419	10.6	86	148	220
211602	2	.295	7.5	18	52	77	211205	5	.456	11.6	107	181	269
211603	3	.311	7.9	25	67	100	211206	6	.496	12.6	128	250	372
211604	4	.337	8.6	34	80	119	211207	7	.496	12.6	150	324	482
211605	5	.364	9.3	42	95	141	211209	9	.610	15.5	192	360	536
211606	6	.394	10.0	51	123	183	211212	12	.681	17.3	257	432	643
211607	7	.394	10.0	59	123	183	211216	16	.754	19.2	342	540	804
211609	9	.455	11.6	76	166	247	211219	19	.794	20.2	406	684	1018
211610	10	.493	12.5	85	184	273	211220	20	.835	21.2	428	720	1071
211612	12	.508	12.9	101	213	317	211225	25	.960	24.4	535	900	1339
211615	15	.594	15.1	127	235	350	10 AWG (19 strand) 5.32 mm <sup>2</sup>						
211616	16	.594	15.1	135	246	366	211002	2	.439	11.2	74	148	220
211618	18	.624	15.9	153	272	405	211003**	3	.466	11.9	102	193	287
211619	19	.624	15.9	161	286	426	211004**	4	.511	13.0	136	257	382
211620	20	.655	16.6	169	301	448	211005	5	.591	15.0	170	307	457
211625	25	.718	18.2	211	312	464	211007	7	.642	16.3	238	430	640
211637	37	.822	20.9	300	514	765	211009	9	.748	19.0	306	549	817
14 AWG (19 strand) 2.08 mm <sup>2</sup>							211012	12	.839	21.3	408	737	1097
211402	2	.325	8.3	30	65	96	211019	19	1.024	26.0	646	1178	1753
211403**	3	.343	8.7	40	84	125	8 AWG (19 strand) 8.38 mm <sup>2</sup>						
211404**	4	.373	9.5	54	104	155	210804	4	.650	16.5	245	597	888
211405	5	.405	10.3	67	124	185	6 AWG (19 strand) 13.2 mm <sup>2</sup>						
							210604	4	.746	18.9	393	838	1297

## ÖLFLEX® TC 600 S: Shielded Flexible Tray Cable

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
18 AWG (7 strand) 1.00 mm <sup>2</sup>							211406S						
211802S	2	.276	7.0	13	44	65	211406S	6	.442	11.2	81	169	251
211803S	3	.290	7.3	16	57	84	211407S	7	.442	11.2	94	169	251
211804S	4	.313	7.9	21	66	98	211409S	9	.513	13.0	121	225	334
211805S	5	.338	8.5	27	77	115	211410S	10	.588	14.9	135	249	371
211807S	7	.364	9.2	37	100	148	211412S	12	.605	15.3	162	307	456
211809S	9	.419	10.6	48	112	167	211416S	16	.668	16.9	215	384	572
211810S	10	.452	11.4	53	118	176	211419S	19	.702	17.8	256	464	690
211812S	12	.465	11.7	64	171	254	211425S	25	.810	20.5	337	586	872
211815S	15	.514	13.0	80	213	317	12 AWG (19 strand) 3.30 mm <sup>2</sup>						
211819S	19	.572	14.5	101	271	403	211202S	2	.366	9.3	50	89	132
211825S	25	.651	16.6	133	321	478	211203S**	3	.387	9.8	64	114	170
16 AWG (7 strand) 1.32 mm <sup>2</sup>							211204S**	4	.422	10.6	86	152	227
211602S	2	.298	7.6	18	54	80	211205S	5	.459	11.6	107	186	277
211603S	3	.314	7.9	25	69	103	211206S	6	.499	12.6	128	258	383
211604S	4	.340	8.6	34	82	123	211207S	7	.499	12.6	150	334	496
211605S	5	.367	9.3	42	98	145	211209S	9	.613	15.5	192	371	552
211606S	6	.397	10.0	51	127	188	211212S	12	.684	17.3	257	445	662
211607S	7	.397	10.0	59	127	188	211216S	16	.757	19.2	342	556	828
211609S	9	.458	11.6	76	171	254	211219S	19	.797	20.2	406	705	1049
211610S	10	.496	12.6	85	190	281	211220S	20	.883	21.4	428	742	1103
211612S	12	.511	12.9	101	219	327	211225S	25	.963	24.4	535	927	1379
211616S	16	.597	15.1	135	253	377	10 AWG (19 strand) 5.32 mm <sup>2</sup>						
211619S	19	.627	15.9	161	295	439	211002S	2	.422	11.2	74	154	229
211620S	20	.658	16.6	169	310	461	211003S**	3	.469	11.9	102	199	296
211625S	25	.721	18.2	211	321	478	211004S**	4	.514	13.0	136	265	393
14 AWG (19 strand) 2.08 mm <sup>2</sup>							211005S	5	.594	15.0	170	316	471
211402S	2	.328	8.3	30	67	100	211007S	7	.645	16.3	238	443	659
211403S**	3	.346	8.7	40	87	129	211009S	9	.751	19.0	306	565	842
211404S**	4	.376	9.5	54	107	160	211012S	12	.842	21.3	408	759	1130
211405S	5	.408	10.3	67	128	191	211019S	19	1.027	26.0	646	1213	1806