

# TRAYCONTROL® 530 flexible, oil-resistant, exposed run TC-ER, PLTC-ER, ITC-ER, NFPA 79



## Technical data

- PVC control and power cable acc. to UL Std. 1277 and 2277
- **Temperature range**  
UL/CSA TC -40°C to +90°C  
flexing +5°C to +50°C  
static -40°C to +105°C
- **Nominal voltage**  
UL/CSA TC 600 V  
UL WTTC 1000 V
- **Test voltage** 3000 V
- **Minimum bending radius**  
flexing 5x cable Ø

## Cable structure

- Finely stranded (Cl. K), bare copper acc. to AWG standards
- Special PVC conductor insulation with transparent nylon coating
- Blue conductors with continuous white numbering & 1 GN-YE conductor. When 3 conductors or more, second conductor is blue/white neutral.
- Conductors stranded in layers with optimal lay length
- Separator
- Special PVC outer jacket
- Gray (RAL 7001) jacket
- With length marking in feet

## Properties

- Self-extinguishing and flame retardant acc. to CSA FT4
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers
- UV-resistant
- Direct burial rated
- Resistant to cleaning and disinfecting agents acc. to ECOLAB®

## Tests

- **UL:**  
TC-ER (1277), WTTC (2277) & DP-1 - (18 AWG-500 kcmil), ITC-ER & PLTC-ER - (20-12 AWG), MTW, NFPA 79, Class I Div. 2 per NEC Art. 501, NEC Art. 336 & 392, Oil Res I/II, 90°C Dry/Wet, -40°C Cold Bend
- **CSA:**  
C22.2 No. 230 & 239 - c(UL) CIC-TC FT4 (18-4/0 AWG), C22.2 No. 210 - AWM I/II A/B FT4

## Note

### Available on request

- Red, black, yellow or orange conductors
- Black or TPE outer jacket

## Application

TRAYCONTROL® 530 is a flexible, oil-resistant control and power cable. The special combination of TC-ER, PLTC-ER and ITC-ER allows this cable to be used as a connecting cable for AC, DC or control wiring in accordance with NFPA 79. Approved for open, unprotected installation in cable trays to the machine. Its outstanding oil resistance (Oil Res I/II) guarantees a long service life for industrial applications in dry, damp and wet environments. Recommended applications: machine tools, production lines, and automotive industry manufacturing operations. Only cables with 3 or more conductors are rated for exposed run (ER).

CE= The product conforms to EC Low-Voltage Directive 2006/95/EC.

Part no.	Cross section mm <sup>2</sup>	No. conductors x AWG No.	Outer Ø app. mm	Cu factor per km	Weight app. kg / km
11009596	0,507	2 x 20	6,7	10,3	55,0
11009597	0,507	3 x 20	7,0	13,7	64,0
11009598	0,507	4 x 20	7,5	18,3	74,0
11009599	0,507	5 x 20	8,1	22,9	88,0
11009600	0,507	7 x 20	8,7	32,0	109,0
11009601	0,507	9 x 20	10,1	41,7	137,0
11009602	0,507	12 x 20	11,1	55,1	168,0
11009603	0,507	18 x 20	12,9	82,9	231,0
11009604	0,507	25 x 20	15,7	115,5	335,0
66840	0,963	2 x 18	7,3	19,2	67,0
66841	0,963	3 x 18	7,6	26,8	82,0
66842	0,963	4 x 18	8,2	34,5	100,0
66843	0,963	5 x 18	8,9	44,6	118,0
66844	0,963	7 x 18	9,6	62,7	149,0
66845	0,963	9 x 18	11,1	81,4	185,0
66846	0,963	10 x 18	11,9	90,3	205,0
66847	0,963	12 x 18	12,2	109,5	234,0
66848	0,963	15 x 18	14,4	134,4	313,0
66849	0,963	16 x 18	14,4	143,3	327,0
66850	0,963	18 x 18	15,1	161,3	363,0
66851	0,963	19 x 18	15,1	170,4	372,0
66852	0,963	25 x 18	17,4	188,4	475,0
66853	0,963	27 x 18	17,7	242,3	501,0
66854	0,963	33 x 18	19,0	295,5	592,0
66855	0,963	34 x 18	19,7	305,2	618,0
11009605	0,963	37 x 18	19,7	332,3	652,0
66856	0,963	41 x 18	21,1	368,3	717,0
66857	0,963	42 x 18	21,1	376,2	729,0

Part no.	Cross section mm <sup>2</sup>	No. conductors x AWG No.	Outer Ø app. mm	Cu factor per km	Weight app. kg / km
66858	0,963	49 x 18	23,9	438,9	900,0
66859	0,963	50 x 18	23,9	449,3	912,0
66860	0,963	61 x 18	25,2	548,4	1071,0
66861	0,963	65 x 18	26,0	582,0	1132,0
66862	1,31	2 x 16	7,8	24,0	77,0
66863	1,31	3 x 16	8,2	36,2	104,0
66864	1,31	4 x 16	8,8	48,1	121,0
66865	1,31	5 x 16	9,6	60,4	143,0
11009606	1,31	6 x 16	10,5	72,9	167,0
66866	1,31	7 x 16	10,5	87,8	247,0
11009607	1,31	8 x 16	11,2	96,6	208,0
66867	1,31	9 x 16	12,0	108,8	231,0
66868	1,31	10 x 16	13,0	120,8	251,0
66869	1,31	12 x 16	13,4	145,4	292,0
11009608	1,31	14 x 16	14,9	169,5	359,0
66870	1,31	15 x 16	15,6	181,6	384,0
66871	1,31	16 x 16	15,6	193,8	402,0
710137	1,31	17 x 16	16,4	207,2	424,0
66872	1,31	18 x 16	16,4	218,6	446,0
66873	1,31	19 x 16	16,4	230,1	457,0
11009609	1,31	20 x 16	17,1	242,3	482,0
66874	1,31	25 x 16	18,9	303,7	588,0
66875	1,31	27 x 16	19,3	327,4	621,0
11009610	1,31	30 x 16	20,0	364,0	685,0
66876	1,31	33 x 16	20,7	402,1	735,0
66877	1,31	34 x 16	22,5	412,7	815,0
11009611	1,31	40 x 16	23,2	485,9	929,0
66878	1,31	41 x 16	24,0	497,6	952,0

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Part no.	Cross section mm <sup>2</sup>	No. conductors x AWG No.	Outer Ø app. mm	Cu factor per km	Weight app. kg / km
66879	1,31	42 x 16	24,0	511,9	970,0
66880	1,31	49 x 16	26,0	597,2	1113,0
66881	1,31	50 x 16	26,0	607,3	1131,0
66882	1,31	61 x 16	27,5	741,1	1333,0
66883	1,31	65 x 16	28,3	792,3	1411,0
66884	2,08	2 x 14	8,8	37,7	103,0
66885	2,08	3 x 14	9,2	56,6	131,0
66886	2,08	4 x 14	10,1	75,6	137,0
66887	2,08	5 x 14	10,9	94,5	190,0
66888	2,08	6 x 14	11,9	113,5	228,0
66889	2,08	7 x 14	12,0	132,6	251,0
66890	2,08	9 x 14	14,7	170,7	350,0
66891	2,08	10 x 14	15,8	189,7	382,0
66892	2,08	12 x 14	16,4	233,8	442,0
66893	2,08	16 x 14	18,0	303,9	555,0
66894	2,08	18 x 14	18,9	347,0	615,0
66895	2,08	19 x 14	18,9	361,0	640,0
66896	2,08	25 x 14	22,8	478,0	879,0
66897	3,31	2 x 12	9,7	62,2	137,0
66898	3,31	3 x 12	10,2	93,3	179,0
66899	3,31	4 x 12	11,2	125,2	228,0
66900	3,31	5 x 12	12,2	156,4	278,0
66901	3,31	6 x 12	13,3	187,5	317,0
66902	3,31	7 x 12	13,4	218,8	357,0
66903	3,31	9 x 12	16,4	281,7	484,0
66904	3,31	12 x 12	18,3	376,1	625,0
66905	3,31	16 x 12	20,1	502,0	789,0
11009612	3,31	18 x 12	22,3	564,8	936,0
66906	3,31	19 x 12	22,3	596,2	982,0
66907	3,31	20 x 12	23,3	627,9	1024,0
66908	3,31	25 x 12	25,8	785,3	1257,0
11009613	5,26	2 x 10	11,8	99,7	195,0

Part no.	Cross section mm <sup>2</sup>	No. conductors x AWG No.	Outer Ø app. mm	Cu factor per km	Weight app. kg / km
11009614	5,26	3 x 10	12,5	149,6	260,0
11009615	5,26	4 x 10	14,4	200,2	360,0
11009616	5,26	5 x 10	15,8	251,2	435,0
11009617	5,26	7 x 10	17,1	353,6	570,0
11009618	5,26	9 x 10	19,9	449,6	716,0
11009619	5,26	12 x 10	23,3	622,9	981,0
11009620	5,26	18 x 10	27,2	958,7	1415,0
11009621	5,26	19 x 10	27,2	1031,3	1452,0
11009622	5,26	25 x 10	31,6	1377,1	1833,0
11009623	8,37	3 x 8	17,4	238,1	454,0
11009624	8,37	4 x 8	19,2	311,8	573,0
11009625	8,37	5 x 8	21,0	390,2	692,0
11009626	8,37	7 x 8	23,9	552,6	1009,0
11009627	13,3	3 x 6	19,5	378,3	634,0
11009628	13,3	4 x 6	22,3	504,9	863,0
11009629	13,3	5 x 6	24,5	631,9	1049,0
11009630	13,3	7 x 6	26,7	884,0	1391,0
11009631	21,2	3 x 4	24,6	598,2	1031,0
11009632	21,2	4 x 4	26,9	800,3	1257,0
11009633	21,2	5 x 4	29,9	998,1	1540,0
11009634	33,6	3 x 2	28,5	943,5	1488,0
11009635	33,6	4 x 2	31,4	1259,4	1902,0
11009636	33,6	5 x 2	34,6	1576,1	2344,0
11009637	42,4	4 x 1	35,6	1549,2	2388,0
11009638	53,5	4 x 1/0	37,0	2099,1	2939,0
11009639	67,4	4 x 2/0	40,3	2560,8	3568,0
11009640	84,7	4 x 3/0	44,0	2938,7	4402,0
11009641	107,0	4 x 4/0	46,8	4078,2	5149,0
11009642	127,0	4 x 250 kcmil	53,5	4933,3	6418,0
11009643	175,0	4 x 350 kcmil	60,6	6989,9	8560,0
11009644	256,0	4 x 500 kcmil	71,5	9896,3	12222,0

Dimensions and specifications may be changed without prior notice.