

# TRAYCONTROL® 530 flexible TC-ER control cable with coloured cores



HELUKABEL TRAYCONTROL 530 TC-ER 90°C 600V FT4

CE



## Technical data

- Flexible PVC tray cable to UL-Std. 1277 and UL-Std. 2277
- **Temperature range**  
flexing -5°C to +90°C  
fixed installation -40°C to +90°C
- **Nominal voltage**  
TC 600 V  
AWM 1000 V  
TC Wind Turbine (WTTC) 1000 V
- **Test voltage** 3000 V
- **Minimum bending radius**  
5x cable Ø

## Cable structure

- Bare copper conductor, fine wire with AWG dimensions
- Core insulation of special PVC with transparent nylon skin
- Core identification  
2 cores = blue-with  
from 3 cores = blue cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Conductor cabled with non-wicking fillers
- Separator
- Outer sheath of special PVC
- Sheath colour grey (RAL 7001)

## Properties

- self-extinguishing and flame retardant acc. to CSA FT4
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Tests

- **UL:** TC-ER, PLTC-ER (AWG 18 - AWG 12), ITC-ER (AWG 18 - AWG 12), MTW, NFPA 79 2012, WTTC 1000V, DP-1, OIL RES I & II, 90°C dry / 75°C wet, Class 1 Div. 2 per NEC Art. 336, 392, 501, crush impact test in accordance with UL 1277
- **CSA:**  
c(UL) CIC-TC FT4  
CSA AWM I/II  
A/B FT4

## Note

### Available on request

- with red, black, yellow or orange cores
- Black or TPE outer sheath

## Application

TRAYCONTROL® 530 is a flexible, oil-resistant control 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 Edition 2012. 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: automotive industry, machine tool, production lines.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
66840	2 x 1	18	7,0	19,0	68,0
66841	3 G 1	18	7,1	29,0	88,0
66842	4 G 1	18	8,0	38,0	98,0
66843	5 G 1	18	8,6	48,0	116,0
66844	7 G 1	18	9,3	67,0	149,0
66845	9 G 1	18	10,7	86,0	186,0
66846	10 G 1	18	11,6	96,0	199,0
66847	12 G 1	18	11,9	115,0	245,0
66848	15 G 1	18	13,2	144,0	292,0
66849	16 G 1	18	13,3	154,0	306,0
66850	18 G 1	18	14,6	173,0	366,0
66851	19 G 1	18	14,7	182,0	384,0
66852	25 G 1	18	17,0	240,0	451,0
66853	27 G 1	18	17,4	259,0	521,0
66854	33 G 1	18	18,7	317,0	590,0
66855	34 G 1	18	19,3	326,0	625,0
66856	41 G 1	18	20,7	394,0	744,0
66857	42 G 1	18	20,8	403,0	758,0
66858	49 G 1	18	23,0	470,0	917,0
66859	50 G 1	18	23,5	480,0	933,0
66860	61 G 1	18	24,9	624,0	1095,0
66861	65 G 1	18	25,6	624,0	1125,0

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
66862	2 x 1,32	16	7,5	25,0	80,0
66863	3 G 1,32	16	7,8	38,0	86,0
66864	4 G 1,32	16	8,5	51,0	115,0
66865	5 G 1,32	16	9,3	63,0	126,0
66866	7 G 1,32	16	10,1	89,0	171,0
66867	9 G 1,32	16	11,7	114,0	237,0
66868	10 G 1,32	16	12,4	127,0	259,0
66869	12 G 1,32	16	12,9	152,0	301,0
66870	15 G 1,32	16	15,0	190,0	379,0
66871	16 G 1,32	16	15,2	203,0	405,0
66872	18 G 1,32	16	15,9	228,0	443,0
66873	19 G 1,32	16	16,0	241,0	458,0
66874	25 G 1,32	16	18,6	317,0	564,0
66875	27 G 1,32	16	19,0	342,0	629,0
66876	33 G 1,32	16	20,4	418,0	758,0
66877	34 G 1,32	16	20,5	431,0	775,0
66878	41 G 1,32	16	23,4	520,0	967,0
66879	42 G 1,32	16	24,1	532,0	972,0
66880	49 G 1,32	16	25,5	621,0	1132,0
66881	50 G 1,32	16	25,6	634,0	1137,0
66882	61 G 1,32	16	27,2	773,0	1345,0
66883	65 G 1,32	16	28,5	824,0	1376,0

Dimensions and specifications may be changed without prior notice. (RN01)