

# TRAYCONTROL 300-C flexible, oil-resistant, screened, EMC-preferred type, NFPA 79 Edition 2007



HELUKABEL TRAYCONTROL 300-C 24AWG/0,25QMM 6C/62737

CE

new



## Technical data

- Flexible screened PVC data and control cable
- **Temperature range**  
-25 °C to +105 °C
- **Nominal voltage** 300 V
- **Test voltage** 2000 V
- **Minimum bending radius**  
Flexing 6x cable ø
- **Coupling resistance**  
max. 250 Ohm/km

## Cable structure

- Tinned copper conductor, fine wire stranded, with AWG measures
- Special PVC core insulation (AWG 22 - AWG 16 with transparent nylon skin)
- Core identification according to international colour code
- Cores stranded in layers with optimal lay-lengths
- 1. Screening with special aluminium foil
- 2. Screening with braid of tinned copper wires, optimal coverage, approx. 85%
- Separator
- Special PVC outer sheath
- Sheath colour - grey (RAL 7001)
- With length marking in feet

## Properties

- Self-extinguishing and flame retardant in accordance with CSA FT4
- The materials used in manufacture are free of silicone, cadmium and substances that impair paint wetting
- **Tests**  
**UL (AWG 22 - AWG 16):** PLTC-ER, ITC-ER, Type CM, NFPA 79 2007, OIL RES I & II, Class I Div. 2, NEC Art. 501, 725, 760 & 800, AWM 2464  
**UL (AWG 24 - AWG 28):** CM, AWM 2464, rated OIL RES I & II, NEC Art. 725, 760 & 800, NFPA 79 2007  
**CSA:** CSA CMG FT4, AWM I/II A/B

## Note

### Advantages

- Highly-flexible, easy to install
- Oil-resistant to OIL RES I & II

### Available on request

- PUR or TPE outer sheath
- Sheath colour to suit customer requirement

## Application

HELUKABEL® TRAYCONTROL 300 is a screened, multi-core PVC data and control cable. Cross-sections with PLTC-ER and ITC-ER approval suitable for open, unprotected installation in cable trays to the machine; their outstanding oil resistance (OIL RES I & II) makes them ideally suited as connecting and joining cables and also for control, signal and measuring systems in industrial plants. The flexible cable structure facilitates installation inside and outside of machines and switch cabinets. The double-screening with aluminium foil (100% coverage) and copper braid (approx. 85% coverage) guarantee superior EMC protection.

Applications: tool machines, control panels, measuring devices, production automation, cable ducts, renewable energies.

**EMC** = Electromagnetic compatibility.

To optimise EMC characteristics, we recommend a large contact area for the copper braiding around the entire circumference on both ends.

CE = The product conforms to the EG Low-Voltage Directive 2006/95/EG

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
62710	2 x 0,08	28	4,4	6,0	16,0
62711	3 x 0,08	28	4,6	7,0	22,0
62712	4 x 0,08	28	4,9	9,0	27,0
62713	6 x 0,08	28	5,4	12,0	34,0
62714	8 x 0,08	28	5,7	15,0	37,0
62715	10 x 0,08	28	6,3	18,0	43,0
62716	15 x 0,08	28	6,9	24,0	52,0
62717	20 x 0,08	28	7,5	30,0	67,0
62718	25 x 0,08	28	8,5	37,0	79,0
62719	30 x 0,08	28	8,8	43,0	88,0
62720	40 x 0,08	28	9,6	54,0	112,0
62721	50 x 0,08	28	11,3	67,0	131,0
62722	2 x 0,14	26	4,6	9,0	24,0
62723	3 x 0,14	26	4,8	10,0	27,0
62724	4 x 0,14	26	5,0	12,0	31,0
62725	6 x 0,14	26	5,6	16,0	39,0
62726	8 x 0,14	26	5,9	19,0	43,0
62727	10 x 0,14	26	6,6	24,0	51,0
62728	15 x 0,14	26	7,3	31,0	66,0
62729	20 x 0,14	26	8,1	40,0	79,0
62730	25 x 0,14	26	9,0	49,0	92,0
62731	30 x 0,14	26	9,3	57,0	110,0
62732	40 x 0,14	26	10,2	72,0	136,0
62733	50 x 0,14	26	11,9	88,0	165,0
62734	2 x 0,25	24	4,9	15,0	30,0
62735	3 x 0,25	24	5,1	16,0	33,0
62736	4 x 0,25	24	5,3	19,0	37,0
62737	6 x 0,25	24	6,0	27,0	48,0

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
62738	8 x 0,25	24	6,3	31,0	57,0
62739	10 x 0,25	24	7,1	39,0	67,0
62740	15 x 0,25	24	8,2	51,0	85,0
62741	20 x 0,25	24	8,9	64,0	106,0
62742	25 x 0,25	24	9,8	77,0	128,0
62743	30 x 0,25	24	10,1	92,0	155,0
62744	40 x 0,25	24	11,2	118,0	206,0
62745	50 x 0,25	24	13,0	148,0	249,0
62746	2 x 0,34	22	5,3	19,0	34,0
62747	3 x 0,34	22	5,5	22,0	40,0
62748	4 x 0,34	22	5,8	27,0	46,0
62749	6 x 0,34	22	6,5	34,0	60,0
62750	8 x 0,34	22	6,9	45,0	72,0
62751	10 x 0,34	22	8,1	69,0	85,0
62752	15 x 0,34	22	9,0	77,0	115,0
62753	20 x 0,34	22	9,7	92,0	140,0
62754	25 x 0,34	22	11,4	121,0	176,0
62755	30 x 0,34	22	11,8	139,0	210,0
62756	40 x 0,34	22	12,9	177,0	273,0
62757	50 x 0,34	22	14,3	215,0	331,0
62758	2 x 0,75	20	6,4	28,0	73,0
62759	3 x 0,75	20	6,7	34,0	77,0
62760	4 x 0,75	20	7,2	40,0	91,0
62761	6 x 0,75	20	8,6	54,0	118,0
62762	8 x 0,75	20	9,1	70,0	158,0
62763	10 x 0,75	20	10,4	83,0	173,0
62764	15 x 0,75	20	12,3	119,0	218,0
62765	20 x 0,75	20	13,6	130,0	298,0

Continuation ▶

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Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
62766	25 x 0,75	20	15,0	186,0	401,0
62767	30 x 0,75	20	15,5	224,0	477,0
62768	40 x 0,75	20	17,7	288,0	623,0
62769	50 x 0,75	20	19,7	337,0	752,0
62770	2 x 1	18	6,9	37,0	80,0
62771	3 x 1	18	7,2	49,0	86,0
62772	4 x 1	18	8,0	58,0	101,0
62773	6 x 1	18	9,2	82,0	130,0
62774	8 x 1	18	9,8	100,0	168,0
62775	10 x 1	18	12,0	124,0	226,0
62776	15 x 1	18	13,5	180,0	295,0
62777	20 x 1	18	14,7	234,0	386,0
62778	25 x 1	18	16,9	277,0	462,0
62779	30 x 1	18	17,6	323,0	590,0

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
62780	40 x 1	18	19,4	416,0	773,0
62781	50 x 1	18	21,6	508,0	958,0
62782	2 x 1,5	16	7,4	51,0	110,0
62783	3 x 1,5	16	8,1	63,0	116,0
62784	4 x 1,5	16	8,7	76,0	139,0
62785	6 x 1,5	16	10,0	104,0	195,0
62786	8 x 1,5	16	11,2	134,0	283,0
62787	10 x 1,5	16	13,1	168,0	316,0
62788	15 x 1,5	16	14,7	234,0	410,0
62789	20 x 1,5	16	16,2	301,0	551,0
62790	25 x 1,5	16	18,6	367,0	675,0
62791	30 x 1,5	16	19,3	428,0	794,0
62792	40 x 1,5	16	21,5	550,0	1033,0
62793	50 x 1,5	16	24,3	669,0	1274,0

Dimensions and specifications may be changed without prior notice. (RN02)

## Tools

Cable shears  
Box spanners  
Strippers  
Crimping tools  
Pliers  
Skinning knife



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